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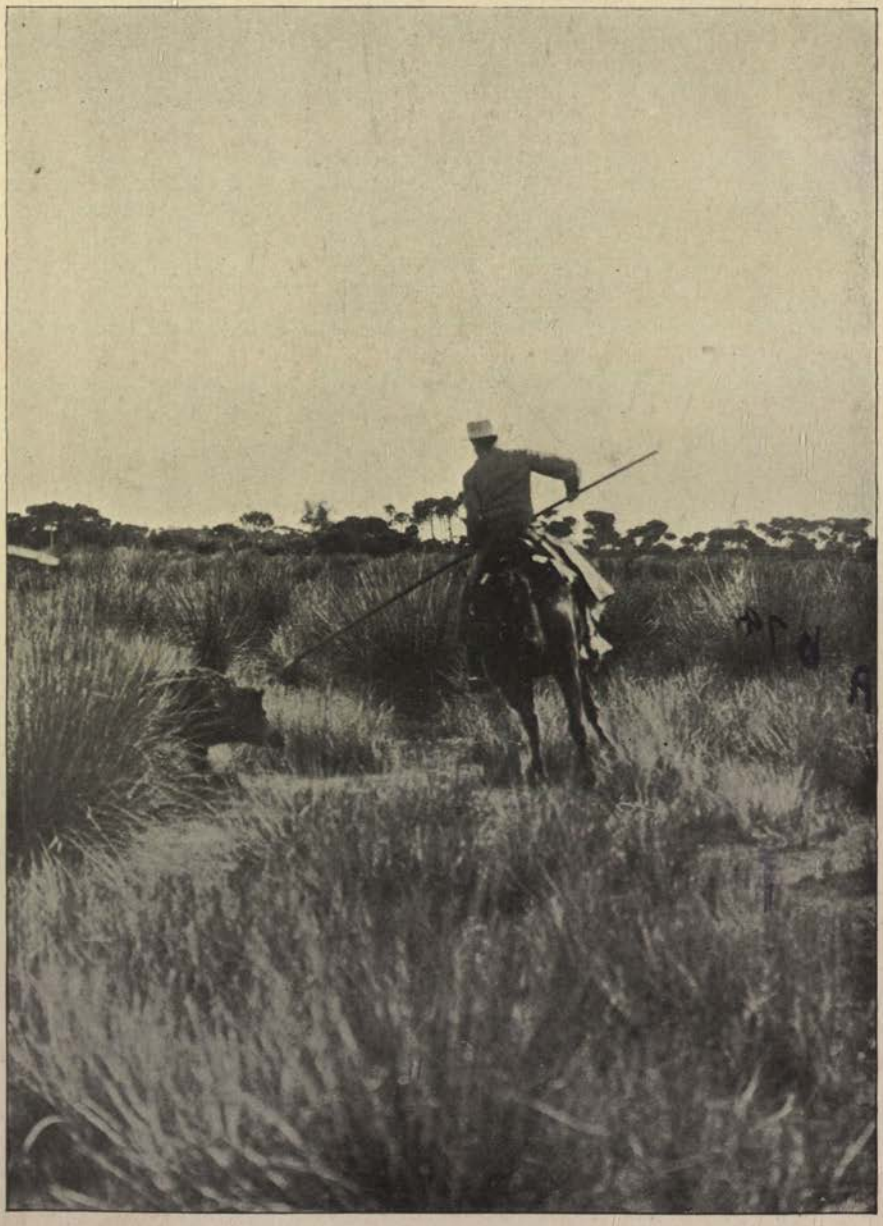

H.M. King Alfonso XIII spearing a boar.

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^s)*+,-./01*2^s 34^s /^s 5,6),7^s .3^s ^s ^s 8,^s /-,^s 8/-*,+^s 15^s +/*2,-3)5^s 9,^s 1 : ;71</.13*^s 2-/.141,5^s =).^s .9,^s 43-,</5.^s /7/- : 5^s *3.^s + : 1..,+7>^s 1*^s .9,^s 41-5.^s 1*5./*<,^s 8,^s 3<<);1,+^s /^s ?1-21*^s 41,7+^s /*+^s */.)-/77>^s .9,^s /7 : 35.^s =3>159^s ,*.9)51/5 :^s .9/.^s <9/-/<.,-@ 15,+^s .9,^s ,/-71,-^s =330 A /*+^s ;.3=/=7>^s /55)-,+^s 1.5^s 5)<<,55 A 9/5^s 1*^s 53 :,^s +,2-,,^s /=/.,+^s).^s 1.5^s *3.^s /77^s 23*,^s >,.B^s /*+^s /*>^s 5)<9^s 7/<0^s 15^s <3 : ;,*5/.,+^s =>^s 73*2,-^s ,C;,-1,*<,^s D/*^s /22-,2/.,^s =,.8,,*^s)5^s 34^s ,129.>^s >,/-5^s 34^s /^s 7/*+^s 8,^s 73?,^s /*+^s .9,^s 53)*+,-^s /;;-,<1/@ .13*^s .9/.^s /-15,5^s .9,-,4-3 :^s)-^s 38*^s -,53)-<,5^s : 3-,3?,-^s 9/?,^s =,,*^s 5);;7, : ,*.,+^s /*+^s -,1*43-<,+^s =>^s 4-1,*+5^s 1*^s ;/1*^s 893^s -,;-,@ 5,*.^s .9,^s 43)*./1* 9,/+5^s 34^s 5;,<1/7^s 0*387,+2,^s 1*^s .9/.^s <3)*.->

3^s 43-,12*,-5^s <3)7+^s 9/?,^s ,*E3>,+^s 2-,/.,-^s 3;;3-.)*1.>^s /*+^s 8,^s 9/?,^s +3*,^s 3)-^s =,5.^s .3^s ,C;731.^s .9,^s /+?/*./2,A 53^s 4/-^s /.^s 7,/5.^s /5^s 5.,/+>^s ;73++1*2^s 83-0^s 8177^s /?/17B^s 43-^s 8,^s 9/?,^s 5;,*.^s : 3-,^s .9/*^s .83^s >,/-5^s 1*^s /*/7>51*2^s <9,<01*2^s /*+^s 53-.1*2^s 5,7,<.1*2^s /*+^s ,71 : 1*/.1*2^s 4-3 :^s ?37) : 1*3)5^s *3.,5^s /<<) :)7/.,+^s +)-1*2^s 43-.>^s >,/-5^s 9,^s <3*<,*.-/.,+^s -,5)7.^s -,;-,5,*.5^s 8,^s /-,^s <3*?1*<,+^s /*^s /<<)-/.,A .93)29^s *3.^s 34^s <3)-5,^s /^s <3 : ;7,.,A ,C;351.13*^s 34^s .9,^s 817+ 714,^s 34^s 3*,^s 34^s .9,^s 817+,5.^s 34^s)-3;,/*^s <3)*.-1,5

3^s 43-^s .915^s =330^s /*+^s 1.5^s .93-3)29*,55^s *,1.9,-^s +3)=.^s *3-^s 4,/-^s 1*.-)+,5B^s =).^s 8,^s /+ : 1.^s .3^s =,1*2^s 1*^s .83^s -,5;,<.5^s 3).^s 34^s .3)<9^s 81.9^s : 3+,-*^s .-,/. : ,*.^s 34^s */.)-/7 915.3->^s 5)=E,<.5^s 3551=7>^s 8,^s /-,^s 8-3*2^s 1*^s =3.9B^s =).^s 1.^s 9/5^s *3.^s >,.^s =,,*^s +, : 3*5@ .-/.,+^s =>^s)<71+^s 3-^s 3.9,-^s .9/.^s /^s : 1*3-1.>^s ,?,*^s 34^s .83^s 15^s *,<,5@ 5/-17>^s 53^s F^s /.)-,^s 1.^s 15^s *38/+/>5^s <)5.3 : /->^s .3^s ;3-.-/>^s 1*^s 53 : ,89/.^s 7)-1+^s /*+^s 5,*5/.13*/7^s <373)-5 A ;-,5) : /=7>^s .3^s 9) : 3)-^s /^s G ;3;)7/-^s ./5.,H^s ,41,3.13*^s : 129.^s 5)22,5.^s .9/.^s *3.91*2^s 1*^s /.)-,^s 15^s 1*^s 4/<.^s 5,*5/.13*/7^s 73)+^s 3-^s ,C.-/?/2/*.B^s =).^s .9,^s 7/>^s ;)=71<^s ;355,55^s *3^s 5)<9^s .,<9*1</7^s .-/1*1*2^s /5^s ?3)7+^s ,*/=7,

.9, :' .3' +15<,-*' .9,' 71*,' 89,-,' /.)-,' 5.3;5' /*+' 89,-,' 4-/)+' /*+' G 4/01*2H' =,21*' .' /*>' -/.,' 8,' 4-,6),*.7>' -,/+' ;)--1*2' /;;-3?/7' 34' 89/.' /;;,/-5' .3')5' :,-,.-1<13)5' 1:;35.)-,' /*+' 5,' 8-1.,-5' 7/)+,+' /5' <3*5.,77/.13*5' 893:' 8,' 593)7+' <3*+,:*' /5' <9/-7/./*5' ,>3*+' .9,' .7/*.1<' -,51+,*.' 335,?,7.' D/5' 9,' .9,*' 8/5' 8,*.' =/7+ 9,/+,+' 43-' .9,' G' /.)-,4/0,-5 H' /*+' 1*' :,-1</' .9,' -,/+,-' 9/5' =,,*' ;).');3*' 915' 2)/-+' 4' 9,' 5.177' 710,5' G'5,*5/.13*5' H A 8,77' .9/.5' 89/.' 9,' 710,5').' 9,' =)>5' 5)<9' 41<.13*' 43-,8/-*,+

' .9,' 177)5.-/.13' 34' 817+ 714,' 3)-' ?1,85' /-,' /753' 1*' 53:,' +,2-,,' +1?,-2,*.' 4-3:' <)--,*.' 1+,/5' *1:/7;93.32-/;9>' 9/5' +,?,73;,+' 81.9' 5)<9' 21/*.' 5.-1+,5' /*+' 9/5' ./)29.')5' 5)<9' ?/7)/=7,' 7,553*5' D43-' 891<9' *3*,' /-,' :3-,' 2-/.,4)7' .9/*' .9,').93-5' .9/.' .9,-,' 15' +/*2,-' 34' <3:1*2' .3' -,2/-+' 1.' *3.' /5' /' :,/*5' .3' /*' ,*+' =).' /5' .9,' /<.)/7',*+' 1.5,74' 917,' ;93.32-/;9>';-3:15,5')5,5' .9,' ?/7),' 34' 891<9' 1.' 83)7+' =,' +1441<)7.' .3' ,C/22,-/.,' >,.' 1.' 9/5' +,4,<.5' /*+' 71:1./.13*5' 891<9' 593)7+' *3.' =,' 12*3-,+' 1-5.' /5' -,2/-+5' /*1:/75' 1*' :3.13*' B' .9,' </:,-/' 5,,5' .33' 6)1<0 A 53' 1*41*1.,7>' 6)1<0,-' .9/*' .9,' 9):/*' ,>,' .9/.' /..1.)+,5' /*+' ,44,<.5' /-,' ;3-.-/>,+' 891<9' 8,' +3' *3.' /*+' </**3.' 5,,' 1.*,55' /' ;93.32-/;9' 34' .9,' 41*159' 43-' .9,' ,-=>' $/773;1*2' 93-5,5' +3' *3.' 412)-,' 53' 3*' .9,' 9):/*' -,.1*/A 81.9' /77' 43)-' 7,25' E/::,+' =,*,/.9' .9,' =3+>' 710,' /'+,/+' =,,.7,' 3' +3)=.' .9,' </:,-/',C91=1.5' /*')*5,,*' ;9/5,' 1*' .9,' /<.)/7' /<.13*' /*+' 53' -,?,/75' 1.5' ;-3<,55B' =).' .9/.' ;9/5,' 15' *3.' 89/.' :3-./75' 5,,' 1:17/-7>' 81.9' =1-+5' 1*' 47129.' .9,' 9):/*' ,>,' 3*7>' </.<9,5' .9,' 43-:' +)-1*2' .9,' 1*5./*./*,3)5' /--,5.' 34' .9,' 81*2' /.' .9,' ,*+' 34' ,/<9' 5.-30,A 1*' :/*>' </5,5' *3.' ,?,*' 53' :)<9' /5' .9/.').' .9,' </:,-/' 5*/;5' .9,' 891-71*2' ;1*13*' /.' :1+ 5.-30,' 3-' /.' /*>' 1*.,-:,+1/.,' ;31*.' 9,' -,5)7.' 15' /7.32,.9,-' /+:1-/=7,' /5' /*',C;351.13*' 34' .9,' :,<9/*1<' -3<,55,5' 34' 47129.B' =).' 1.' 4/175' /5' /*' 177)5.-/.13*' 1*/5:)<9' /5' 1.' 177)5.-/.,5' /' ;35,' 891<9' /.)-,' 9/5',C;-,557>' <3*<,/7,+' 4-3:' 3)-' ?1,8

,<3*+7>' 1*' -,7/.13*' .3' 5.177' 714,' ,-,' .9,' </:,-/' 15' *3.' 3*7>' .33' 6)1<0' =).' .33' 4/1.94)7' .1*>' -)447,+' ;7):,' /' 4,/.9,-' </)29.');' =>' .9,' =-,,I,' 81.9' .9,' :3:,*./->' 59/+38' 1.' </5.5' ,?,*' /*' 1*.-)51?,' =3)29' 3-' =7/+,' 34' 2-/55' A' /77' /-,' -,;-3

+)<,+ 81.9 5)<9 -121+ 4/1.94)7*,55 /*+ <3*5;1<)3)5 ,44,<. .9/. 89/. /-,1** 4/<. :,-,5. :1*).,+,./175 /55):, / 89377> 4/75,;-3;3-.13* :157,/+ .9, ,>, /*+ +152)15, .9, 8937, ;1<.)-, -), .9,5, .91*25 /-,/<.)/77> .9,-,B =). .9, 9):/*,>, ,*E3>5 /4/<)7.> D891<9 .9,</:,-/ +3,5 *3. 34 5,7,<.1*2 1.5 3=E,<.1?,/*+ 12*3-1*2 3- -,+)<1*2 .3 1.5 <3--,<. -,7/.1?, ?/7),, /<9 ,C.-1*51< +,./17B 34 73301*2 /5 1. 8,-, .9-3)29 3=5./<7,5 /*+ <3*<,*.-/.1*2 1.5 ;38,-) ;3*.9, 3*, :/1**5)=E,<. 34 5.)+>

9, ;3-.-/>/7 34 817+4387 E*,5,*.5 /;,<)71/-+1441<)7.> 915 2-3);+144,-5 1** .83 ,55,*.1/7 <9/-/<.,-5 4-3: .9, -,5. 34 .9, =1-+ 83-7+ 93)29 <7/+ 1** 4,/.9,-5 >,. .935, 4,/.9,-5 /-, *3. G 4,/.9,-> H /.9,- :/> .9,> =, +,5<-1=,+ /5 / 5.,,7> 8/.,-@ .129., *</5,:,*. /5 +15.1*<. 4-3: .9, <3?,-1*2 5/> 34 2/:, =1-+5 /5 :/<01*.359 +144,-5 4-3: 5/.1* /<9 ;7):, ;355,55,5 / <3:@ ;/<.*,55 34 8,= /*+ 41-:*,55 34 .,C.)-, .9/. <3:=1*, .3 ;-3+)<, / -121+1.> /*+ .915 1.5 3 9/;;,*5 =3.9 1** 43-: /*+ <373)- 3- J1** .915 2-3);.9, <373)-5 .33 3- ;/..,-*5 34 <373)- /-, <7,/* <).9, <3*.-/5.5 5.-3*2 /*+ 59/-;7> +,41*,+ 9, ;7):/2, 34 817+@ 4387 1** 593-. 15 <9/-/<.,-15,+ => 7/<0 34 5)=+),+ .1*.5 /*+ 9/74@ .3*,5 9/. 15 1.5 =,/).> /*+ 1.5 273-> B =). .9, 4/<. ;-,5,*.5 / 5.):=71*2 =73<0 .3 .-,/.:,*. ,5;,<1/77> 1** <373)-

9, +1441<)7.> 43773855 <3*5,6),*.1/77>)=E,<.5 34 5)<9 <9/-@ /<.,-/*+ <-)+, <373-/.13** +,4> /<<)5.3:,+ :,.93+5 9/. 15 *3. .9, 4/)7. 34 .9, /-.15.B -/.9,-1. -,?,/75 .9, 71:1./.13*5 34 -.)5. /5 1** 7/*+5</;,+ +15./*<, ,?,-+,:/*+5 /* G /.:35;9,-, H :3-, 3- 7,55 3=71.,-/.1?, 34 +15.1*<.1?, +,./17 /4/- D.93)29 5)<9 +,./17 :/> =, ?151=7, .3 *3* /-.15.1< ,>,5129. :17,5 /8/> 53 1** =1-+5 34 59/-;7> <3*.-/5.,+ <373)-1*2 .9, *, ,+,+ ,44,<. </* 3*7> D1. 83)7+ /;;,/- = ,/../1*,+ =>;-3<,55,5 34 534.,*1*2 891<9 /-, *3. 1** 4/<. <3--,<. /*+ 891<9 -)1** .9, -,/7 ;1<.)-, /5 +,512*,+ => /.)-,

3 817+ =1-+ D/*+ 817+4387 7,/5. 34 /77 </* =, ;3-.-/>,+ 4-3: </;.1?, 5;,<1:,*5A 5.177 7,55 4-3: =,+-/227,+ <3-;5,5 5,7,<.,+ 1** ,/+,*9/77 :/-0,. *.9K 7/..,- ,?,-> ,55,*.1/7 4,/.)-, 9/5 +15/;;,/-,+ 9, -)447,+ -,:/1*5 -,5,:=7, .9, =,/).> 34 .9,1- 3-121*/75 3*7> /5 / +159 <73). :/> -,</77 53:, ;-,?13)5 ,C15.,*<,

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3‘ #-‘ 35, ; 9‘ -/89/77‘ D<3)51*‘ 34‘ 3*,‘ /).93-‘ 8,‘ /*+‘ 3)-‘ -, /+, -5‘ /-,‘ 1*+, =., +‘ 43-‘ /‘ 5, -1,5‘ 34‘ +-/81*25‘ .9/.‘ 5; , /0‘ 43-‘ .9, : 5,7?,5

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93)7+‘ 53 : ,‘ 57129.‘ 571;‘ 3-‘ -, ; , .1.13*‘ 9/?,‘ , 5</; , +‘ .9,‘ 41*/7‘ -, ?1513*‘ : />‘ 8,‘ <-/?,‘ 1*+)72, *<,‘ 34‘ <-1.1<5‘ F‘ 15‘ *3.‘ </-,‘ .9/.‘ 7/<05‘ =).‘ 59, ,-‘ : *, : 3*1<5‘ *‘ /‘ 83-0‘ 34‘ D8,‘ /-,‘ .37+‘ LM! ! ! !‘ 83-+5‘ .9,‘ : /55‘ 34‘ : /*)5<-1; .‘ /; ; /75‘ /*+‘ .3‘ +, ., <.‘ , ?, ->‘ 51*27,‘ , --3-‘ : />‘ 8, 77‘ ; -3?,‘ =, >3*+‘ 3)-‘ ; 38, -‘ ,‘ 9/?,‘ 735.‘ : 3-, 3?, -‘ .9/.‘ 2)1+1*2‘ , >,‘ /*+‘ ; 173. 710,‘ .3)<9‘ 3*‘ .9,‘ 9, 7 :‘ .9/.‘ 9, 7; , +‘ .3‘ 5., -‘ 3)-‘ , /-71, -‘ ?, *.)-,‘ .9-3)29‘ .9,‘ 593/75‘ /*+‘ 5, , .91*2‘ 891-7; 3375‘ .9/.‘ , ?, -‘ =, 5, .‘ ?3>/2, 5‘ 1*.3‘ .9,‘)*0*38*

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9,7.,-5' 43-' +-1?1*2' 17+ $,,5,' ' ' LL& :;,-1/7' /27,' A 'G')-.71*2' .913)29

$3+'81.5' ' ' ' ' ' L (;/<,'H' ' ' ' ' ' ' M&

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* ; /1* .9/. 8, 73?, /*+ 34 891<9 8, 8-1., 15 *3. .9, ; /1* 34 .3)-15. 3- 273=, .-3.., - 9,5, 937+ : /1* -3).,5 .9, 9129@ 8/>5 4-3 : <1.> .3 <1.> 4,8 53 :)<9 /5 ?, *.)-,); 3* .9, =>, 8/>5)- ; /1* =,21*5 89,-, =>, 8/>5 , *+ , 8-1., 34 9,- ; /.97,55 5371.)+,5 34 +,537/., 5., ; ; , /*+ ; -/1-1, 34 : /-59 /*+ : 3) *. /1* 7/*+A 34 9,- : /E,5.1< 51,--/5 53 : , 8,77 *129 1*/<<,551=7, /*+ 1* : /*> /* 1*5./*<,)*.-3++, * => -1.159 433. 5/?, 3)- 38 * 3*,7> 5<,*,5 .9,5, >,. 273-141,+ => ; -1 : ,?/7 =,/).> /*+ 8, /7.9 34 817+ 714, 5 */.)-/715.5A .9/. 15 : ,-,7> /5 =3-* 73?,-5 34 /77 .9/. 15 817+ /*+ =12 /*+ ; -15.1*, A 8, .9/*0 .9, 2)1+1*2 +,5.1*> .9/., /-7> +1-,<.,+ 3)- 5.,; 5 .38/-+5 / 7/*+ .9/. 15 ; -3=/=7> .9, 817+,5. /*+ <,-./1*7> .9, 7, /5. 0*38* 34 /77 1*)-3;, A / 7/*+ 83-.9> 34 =,.., - <1<,-3*,5 .9/* 3)-5,7?,5

3 *3. 7,.)5 /;;, /- .3 +15; /-/2, .9, 3.9,- ; /1* 9, .3)-15. , *E3>5 /*3.9,- 7/*+ 3?,-473 81*2 81.9 915.3-1< /*+ /-.15.1< 1*.,-,5. A 81.9 :, : 3-1/75 34 :,+15,?/7 -3 : /*<, /*+ 34 5.1--1*2 .1 :,5 89,* 8/?, /4.,- 8/?, 34 5)<<,551?, <3*6),5. 58,;. .9, ,*1*5)7/)<9 5)=E,<.5 938,?,- 4/77 89377> 3).51+, .9, ; -3?1*<, 34 .915 =330 *3-+3 .9,> 7/<0 915.3-1/*5 / .93)5/*+@ 437+ =,.., - 6)/7141,+ .3 .,77 .9,1- ./7,

9, 41-5. </)5, .9/. +144,-, *.1/.,5 ; /1* 4-3 : 3.9,-)-3;, /* <3)*.-1,5 34 ,6)/7 /-, / 15 9,- 9129 2, *,-/7 ,7,?/.13* 915 4/<. :)5. E) : ; .3 .9, , >, 34 ,?,-> 3=5,-?/*. .-/?,77,- 893 =3305 915 5,/. => .9,)+ ,C;-,55 .3 .9, # ,+1.,--/*, /* ,..,- 5.177 43- 3)- ;)-;35, 7,. 91 : <3 : :,-49, 915 E3)-*, > 5/> /. .9, 8,,+ -3 : ,-81<0 53).98/-+5 .9-3)29 .9, 9, /-. 34 *27/*+ .3 3*+3* 4-3 : 3*+3* .3 /-15 /*+ -129./<-355 -/*<, A /77 .9,

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8/>' 9,' .-/?,-5,5' 738 7>1*2' 7,?,75B 4/.' ;/5.)-,5' 4,-.17,' /*+' .177,+' .3' .9,' 7/5.' /<-,' 15' /*,-31+' .,775' 91:' 9,' 9/5' 5,7+3:'-15,*' /=3?,' 5,/7,?,7' =>' :3-,' .9/*' /' 4,8' 9)*+-,+' 4,,.B /*+' *,?,-' 3*<,' 9/5' 915' .-/1*' ;/55,+' .9-3)29' :3)*./1*5A 9/-+7>',?,*' .9-3)29' 91775' B 9,' </*' 5</-<,' =,' 5/1+' .3' 9/?,' 9/+' /' -,/7' :3)*./1*' 81.91*' .9,' -/*2,' 34' 915' ?1513*' 1*' /77' .9,5,' L !!' :17,5

38' 9,' <-355,5' .9,' 1+/553/' ' ' ' .9,' 8937,' 83-7+' <9/*2,5X .' 3*<,' 915' .-/1*' ;7)*2,5' 1*.3' 1*.,-:1*/=7,' >-,*,,5' /*+' ,-,' 1.' <7,/-5' .9,5,' 9,' 9/5' /5<,*+,+' .3' /' ;,-:/*,*.' 91297/*+' 7,?,7A /' ./8*>'.-,,7,55' 5.,;;,' .9/.' /?,-/2,5' !!! 4,,.' /7.1.)+,' /*+' 53:,@ .1:,5' /;;-3/<9,5' %!!!' .-/?,-5,+' =>' -/*2,' /4.,-' -/*2,' 34' -)22,+' :3)*./1*5' .9/.' /-15,' /77' /-3)*+' 91:' .3' 43)-' 41?,' 3-' 51C' .93)5/*+' 4,,.' /178/>5' :3-,3?,-' /?31+' :3)*./1*5' D53' 4/-' /5' .9,>' </*')-' .-/?,77,-' .9,-,43-,' :)5.' =,/-' 1*' :1*+' .9/.' 89/.' 9,' /<.)/77>' 5,,5' 15' =).' .9,' :17+,5.' /*+' ./:,5.' ?,-513*' 34' ;/*159' 51,--/5' 9,-,' /-,' =1.5' 9,-,' /*+' .9,-,' .9/.' 9,' :/>' 9/?,' .93)29.' /*>.91*2' =).'./:,A 3*7>'./:,' =>' <3:;/-153*' 81.9' .935,' 2-/*+,-' 5<,*,5' .3' 891<9' 8,' ;-3;35,' 2)1+1*2' 91:

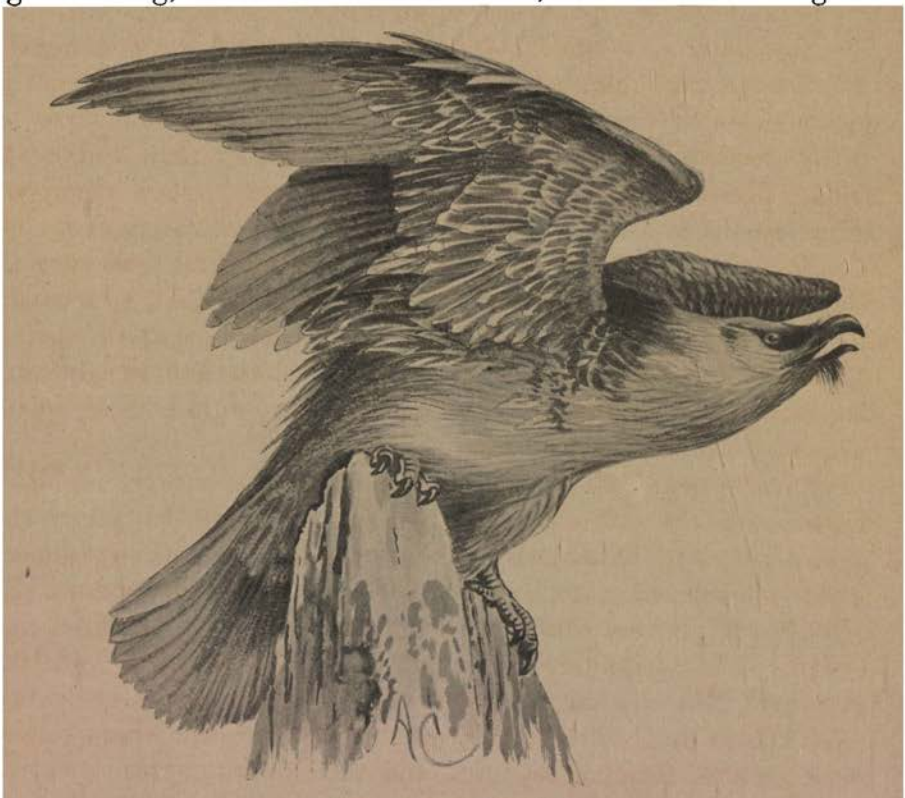
3-' .9,' *,C.' M!!' :17,5' 9,' *,?,-' 6)1.5' .9/.' /)5.,-,' 91297/*+' /7.1.)+,' *3-' ,?,-' 6)1.,' 735,5' 5129.' 34' E/22,+';,/05' .9/.' ;1,-<,' .9,' 501,5A ;,/05' 34' .9/.' 93/->' <1*+,-2-,>' .9/.' 59385');' /7:35.' 891.,' /2/1*5.' /*' /I)-,' =/<02-3)*+' ,?,-' +3,5' 9,' +,5<,*+' .177' /4.,-' 7,/?1*2' =,91*+' 91:' .9-,' 01*2+3:5A --/23*' /?/--,' /*+' /5.17,A 915' .-/1*' ;7)*2,5' .9-3)29' .9,' 1,--/' #3-+*/' +38*' .9,' 23-2,5' 34' ,5;,*/;,--35' /*+' /.' 7,*2.9' 3*' .9,' .91-+' +/>',*.,-5');3*' .9,' 5:171*2' 7387/*+5' 34' *+/7)<1/' ,-,' .9,' /*,-31+' -15,5' 3*<,' :3-,' .3' -/.13*/7' -,/+1*25' /*+' 4,-.17,' 5;-,/+' /8/>' .3' .9,' 93-113*').' 3)-' .-/?,77,-' 15' *3.' ,?,*' *38' 6)1.,' <7,/-' 34' :3)*./1*5' 9,.9,-' 9,'=,'=330,+' .3' #/7/2/' 3-' .3' 72,<1-/5' 9,' 8177' ;-,5,*.7>' 41*+' 91:5,74',*?,73;,+' 3*<,' :3-,' /:1+5.' 53:,' 4/1-7>' 5.);,*+3)5' -3<05A .9,' $/,./*,5' 3-' ,--/*1/'+,' 3*+/'-,5;,<.1?,7>

;/1*' 15' 1*' 4/<.' 7/-2,7>' /*' ,7,?/.,+' ./=7,7/*+' (!!' :17,5' 56)/-,' /*+' .-/?,-5,+' =>' 43)-' :/1*' :3)*./1*-/*2,5' /77' D710,' 9,-' 2-,/.' -1?,-5' -)**1*2',/5.' /*+' 8,5.' 9,' 3*7>' <3*51+,-/=7,' /-,/5' 34' 7387/*+' /-,' 43)*+' 1*' *+/7)<1/' /*+' /7,*<1/

/.)-/77>' 5)<9';9>51</7' 4,/.)-,5' -,5)7.' 1*' :/-0,+' ?/-1/.13*5' 34' <71:/.,' /*+' 5<,*,' 891<9' 1*' .)-*' -,/<.');3*' .9,1-' ;-3+)<.13*5' /*+',+,*1I,*5' 89,.9,-' 9):/*' 3-' 34' 5/?/2,' =-,,+' ,' ./0,' .9-,,' ,C/:;7,5

9,' <,*.-/7' ./=7,7/*+5' 5)=E,<.' /77' 5):::,-' .3' 537/-' -/>5' .9/.

burn, in winter shelterless from biting blasts off snow-clad sierras, present precisely that landscape of desperate desolation that always results from a maximum of sunshine combined with a minimum of rainfall. A desiccated downland, khaki-colour or calcareous by turn, but bare (save for a few weeks in spring) of green thing, naked of bush or shrub, innocent even of grass.



TYPES OF SPANISH BIRD-LIFE

LAMMERGEYER (*Gypaëtus barbatus*)

Whose home is in the wildest sierras—a weird dragon-like bird-form ; expanse, 9 feet.
[Formerly reputed to carry off *babies* to its eyrie.]

Not a tree grows so far as eye can reach, not a watercourse but is stone-dry and leaves the impress that it has been so since time began. Oh, it is an unlovely landscape, that central plateau. 'Twere ungrateful, nevertheless (and unjust too), to forget that here we are journeying in a glory of atmosphere, brilliant in aggressive radiance that annihilates distance and revels in space. Though patches of vine-growth be lost in the monotony of tawny expanse, mud-built hamlet and village church indistinguishable

□# $%&' (' %!)#

/ : 1+5.' /') *1?, -5/7 09/01' >, .' .915' 15' 1*' .-) .9' /' 01*2+3 : ' 34' .9, 5) * 9,' 2-, /.' =)5./-+' : /1*./1*5' /' 433.937+' 3*' .9,5,' /-1+) ;7/*+5' =) .' .9,' 4/) */' 15' =,5.' ,C, : ;7141,+' =>' .9,' +,5,-. 73?1*2' 5/*+ 2-3)5,' * '

-,<15,7>' .9,' -,?,-5,' 34' /77' .915' 15' /*./=-1/ A .71,' /56),' ;-3?1*<,5' 34' .9,' *3-.9' 81.9' $/71<1/' /*+' .9,' 5.)-1/5' 9,-,' =3-+,-1*2' 3*' .9,' 15</>/*' ,/' >3)' 41*+' /' -,213*' /=537).,7>' </*+1*/?1/*' 1*' .>;, A ;1**/<7,+' ;,/05' ;-,<1;1.3)5' =,>3*+' /77' -1?/75' ,?,*' 1*' ;/1*' 81.9' +,,; -14.,+' ?/77,>5' =,.8,,*' -)591*2' 5/7 : 3* -1?,-5' /*+' : 3) *./1* .3--,*.5' /=3) *+1*2' 1*' .-3) .' ,-,' .9,' 4/) */' 15' /7;1*,' 14' *3.' 5)=/-<.1<' /*+' 1*<7)+,5' .9,' =-38*' =,/-' /*+' <9/ : 315' .9,' ;./- : 12/*' 9/I,7 2-3)5,' /*+' </;,-</1771,

/*./=-1/' 15' /' -,213*' 34' -3<0' 5*38' /*+' : 15. 8-/1.9' 34' =1-<9' /*+';1*, 43-,5. A .9,' ?,->' /*.1.9,515' 34' .9,' .91-+' -,213*' .9/.' *,C.' <3*<,-*5)5' .9,' 5 : 171*2' ;7/1*5' 34' *+/7)<1/' /*+' /7,*<1/' *,5.71*2' 3*' #,+1.,--/*,/*' 593-,' ,-,' 43-' ,129.' : 3*.95' 3).' 34' .9,' .8,7?,' 3*,' 71?,5' 1*' /' ;/-/+15, =).' .9,' 5) : : ,-' 15' 4-1</*' 1*' 1.5' =)-+,*' 34' 9,/.' /*+' +15<3 : 43-.' ?,->' 2-,,*' .91*2' 3).51+,' .9,' ?1*,>/-+' /*+' 1--12/.,+' 2/-+,*' 15' =)-*.');' =>' /' 41,->' 5)*' /' 5)*' .9/.' <9/*2,5' *3.' =).' +/>' 43773 81*2' +/>' 2-1;5' .9,' 7/*+' 1*' /' =715.,-1*2' ,: =-/<,' 71 : /.1<' <3*+1.13*5' 5)<9' /5' .9,5,' -,/<.1*2' 3*' /' -/<,' /7-,/+>' 1*4)5,+' 81.9' -/=' =733+' */.)-/77>' <3*+)<,' .3' -1,*.,/7' : 3+,5' 34' 714,' ,.',?,*' 9,-,' 8,' 9/?,' ,C/ : ;7,5' 34' .9,' <)-13)5' <3*.-/+1<.13*5' .9/.' <9/-/<.,-15,' .915' (' ' , ' 9)5' 81.91*' 5129.' 34' 3*,' /*3.9,-' .9,-,' 473)-159' 3*' .9,' ' =,738' .9,' +/., ;/7 :' /*+' 5)2/-</*,' 8917,' .9,' 1<, +,4>1*2' ,+,7@ 8,155' , : =,77159,5' .9,' 5*385' /=3?, A /-<.1<' /*+' .-3;1<' 1*' 3*,

)<9' ,C.-, : ,5' 34' <71 : /.,' -,/<.' /5' 5)22,5.,+');3*' .9,' <9/-/<.,-' 34' .9,' 9) : /*' 1*9/=1./*.5' 34' /' 7/*+' 891<9' 1*<7)+,5' 81.91*' 1.5' =3)*+/-1,5' *,/-7>' /77' .9,' ;9>51</7' <3*+1.13*5' 34')-3;,' /*+' 3-.9' 4-1</' -3 :' .9,' *3-.9' /5' : 129.' =,' ,C;,<.,+' <3 : ,5' .9,' 83-0,-A .9,' 5.)-+>' 7/=3-13)5' $/71<1/*' +15+/1*,+' /*+' +,5;15,+' =>' 915' */7)<1/*' =-3.9,-' -,2/-+,+' /5' 7/<01*2' 1*' +12*1.>A .9,' ?,->' */:,' # ' 15' /' .,-:' 34' -,;-3/<9').' 9,' 15' /' 9/;;>' /*+' <3*.,*.,+' 9,8,-' 34' 833+' /*+' +-/8,-' 34' 8/.,-' .9/.' $/77,23' .9-3)293).' ;/1*' 9,' </--1,5' .9,' =/50,.5' =,/-5' .9,' =)-+,*5' <7,/*5' .9,' 4733-5' /*+' 41*/77>' -,.)-*5' /' -1<9' :/*' .3' 915' =/--,*' 91775' 34' $/71<1/

9,' */7)<1/*' 8177' <3*+,5<,*+' .3' .,*+' >3)-' </..7,' 3-' 2/-+,*

#* '(,"*' .

.3 +-1?, >3) - 93-5,5 3- ;3*1,5 /*+ 5)<9 3441<,5 9, 8177 ; ,-43- : 8 ,778 =) / *>.91*2 : ,*1/7 3- 89/. 9, : 129. -,2/-+ /5 +,-32/.@ 3-> 9, ;-,4,-5A 1*5.1*<.1?,7> *3. 3[4,*51?,7>A .3 7,/?, .3 .9, $/71<1/* -3 : /5.17, /*+ /?/-4, <3 : ,5 /+144,-,*. </5., 5./.,7> /*+ /-15.3<-/.1 =>*/.)-, >, . 81.9 41,-> ., : ;,-/ : ,*. <3*<,/7,+ =,*,/.9 5)=+),+ ,C.,-13-A 93*,5.7> 8, ;-,4,- =3.9 .9, ;-,<,+1*2 ,C, : ;7/-5 9, /./7/* <3 : ,5 *,C. ;)591*2 /*+ ,44,-?,5<,*. /77 43- 915 38*71..7, <3-*,- 915 4/<.3-1,5 /*+ 915 .-/+, A 1 : ;-,2*/.,+ ,?,-> : /* 81.9 / 53-. 34 <1*, : /.32-/;9 34 /+?/*<,+ ?1, 85 3* 53<1/7 /*+ ;371.1</7 6),5.13*5 34 .9, +/>A =3--38,+ : 35.7> 4-3 : 915); .3 +/., *,129=3)-5 =,>3*+ .9, >-,*,,5 >,. 2-/4.,+ 3* .3 37+ 83-7+) 3-4-/*<915,5 .9/. +/.,=/<0 .3 .9, .1 : ,5 34 .9, 3)*..4 34 /-<,73*/R ,-9/;5 .9, : 35. ;,-4,<. ,C/ : ;7, 34 <3*., : ;3-/->*/.)-/7 *3=171.> 15 /443-+,+ => .9, ;,/5/*. ;-3;-1,.3- 34 ;/5.3-/7 ,3*B .9,* .9,-, 15 .9, /56), 34 15</> /-./-5;-)*2 3-)-/*1/* 1**1< 3- 5)-?1?1*2 /=3-121*/7A 7,. ;917373215.5 +,<1+, : 3*2 ;/1* 5 : /*1437+ 9) : /* .>;,5 8, 5)22,5. .3 ,.9*373215.5 D/*+ 5)22,5.,+ =,43-, .8,*.> >,/-5 /23 .9, 5.)+> 34 /5)-?1?1*2 -, : */*. .9/. 5.177 <71*25 5,<-,.,+ 73*,7> /5 7,;,-5 1* .9, 4/- /8/> : 3)*./1*5 34 3-.9,-* 5.-, : /+)-/A .9,)-+,5 9,5, 817+ .-1=,5 34)*@ 0*38* 3-121* D;-,5) : ,+ .3 =, $3.91< 71?, /;/-. 4-3 : ;/1* 43)- .93)5/*+ 34 .9, : /-33. 2-)==1*2 -/<, 34 (56)/..,+ 1* /7/*+ 81.93). 8-1..,* 915.31> 3- -,<3-+ 89,-, /77 15 .-/+1.13*/7 ,?,* .3 .9, 937+1*2 34 .9, 5317 3./.1.7, +,,+ 3- 3.9,- +3<) : ,*. ,C15.5B >,. .915 15 / -,213* 34 <3*51+,-/=7, ,C.,*. A 5/> 414.> : 17,5 =>.91-.> -,<,*. ;172-1 : /2, .3 .9,5, 43-23..,* 27,*5 ,*/=7,5)5 .3 21?, 1* /*3.9,- <9/;.,- 53 : , <3*., : ;3-/->4/<.5 /=3). G /5)-+,5 H 9-3)293). ;/1* .9, ;,3;7, 34 .9, G738,- 3-+,-5 H A .9, ;,/5/*.-> A 5.-10, .935, 893 7,/?, .9, =,/.,* .-/<05 => .9,1- 1*+,;,*+,*<,/*+ : /*7> =,/-1*2 3-.9 3- 53).9 ,/5. 3- 8,5. /* 1*41*1.,? /-1,.> 34 -/<,5 +144,-1*2 1* 9/=1. /*+ <9/-/<.,- ,?,* 1* .3*2), >,. /77 /2-,,1*2 1* .9,1- 5371+ : /*71*,55 1* 5.-/129.@ 43-8/-+ 93*,5.> 1* 89/. .9, 3 : /*5 ,*.1.7,+ A 41*, .>;,5 5/?, 89,-, <3*./ : 1*/.,+ => 88 </77 .9/. G 3441<1/7+3 : 5 D3*, 34 .9, .81* <)-5,5 34 ;/1* /-2,7> .9,-, ,C15.5 9,-, 2-3)*+ 83-0 43- .9, -,=)17+1*2 34 ;/*159 2-,/.*,55A 5)<9 /7/)+

/./73*1/ 8/5 /5,;/-/.,? ./.<)*+,-1*+,;,*+,*.-)7,195 .71, 3)*.5 34 /-<,73*/)*.17 LL%L 89,* 1. 8/5 : ,-2,+ 1* .9, P1*2+3 : 34 --/23*

/8/1.5‘ =).‘ .=,‘ 8/*+‘ 34‘ /‘ :/21<1/*‘ .3‘ -,</77‘ 1.5‘ ;,3;7,‘ .3‘ 4-3*.‘ -/*0‘ ,1.9,-‘ =>‘ +,5;3.1<‘ :,.93+5‘ *3-‘ =>‘ .9,‘ ;38,-‘ .9/.‘ 15‘ 3*7>‘ +,:3*5.-/.,+‘ =>‘ ?137,*<,‘ 8177‘ .9,‘ <9/*2,‘ =,‘ =-3)29.‘ /=3).‘ =).‘ =>‘ .9,‘ ,*7129.,*:,*.‘ .9/.‘ 9/5‘ 7,/-*.‘ .3‘ 7,/?,‘)*1:1./.,+‘ .9,‘ 43771,5‘ 34‘ .9,‘ ;/5.‘ /*+‘)*)5,+‘ .9,‘ 43-<,5‘ 34‘ <3,-<13*

)<9‘ /‘ 7,/+,-‘ 8,‘ =,71,?,‘ .3 +/>‘ 81,7+5‘ .9/.‘ 8/*+‘ # />‘ 9,‘ =,‘ 5;/-,+‘ .3‘ -,5.3-,‘ .9,‘ +,5.1*1,5‘ 34‘ 915‘ <3)*.->

.‘ 8/5‘ 1*‘ ;/1*‘ -,:,:=,-‘ .9/.‘ :3-,‘ .9/*‘ !!!‘ >,/-5‘ /23‘ .9,‘ 4/.,‘ 34‘ /-.9/2,‘ /*+‘ 7/.,-‘ .9/.‘ 34‘ 3:,‘ 8/5‘ +,<1+,+‘ 3‘ .9,‘ 7/..,-‘ :;,-1/7‘ <1.>‘ ;/1*‘ 9/+‘ 21?,*‘ ;3,.5‘ ;917353;9,-5‘ /*+‘ ,:;,-3-5‘ .‘ 8/5‘ 1*‘ ;/1*‘ .9/.‘ .9,-,‘ +/8*,+‘ .9,‘ ,/-71,-‘ 271:,-1*25‘ 34‘ ;3;)7/-‘ 71=,-.1,5‘ /5‘ 5)<9‘ /-,‘ *38‘)*+,-5.33+‘ ,74 23?,-*:,*.‘ 81.9‘ :)*1<1;/7‘ -129.5‘ 8,-,‘ -,<32*15,+‘ =>‘ .9,‘ 3-.,5‘ 34‘ ,+*‘ ;-,?13)5‘ .3‘ 3)-‘ #/2*/‘ 9/-./‘ *+1?1+)/7‘ 2)/-/*.,,5‘ 4-,,+3:‘ 34‘ ;,-53*‘ /*+‘ <3*.-/<.‘ /*+‘ .9,‘ 1*?137/=171.>‘ 34‘ .9,‘ 93:,‘ 8,-,‘ 2-/*.,+‘ =>‘ .9,‘ 3-.,5‘ 34‘ /-/23I/‘ 1*‘ L%(&A‘ :3-,‘ .9/*‘ .9-,,‘ <,*.)-1,5‘ =,43-,‘ 3)-‘ /=,/5‘ 3-;)5‘ 8/5‘ 512*,+‘ 1*‘ LQ'"‘ ‘ 7/*+‘ 81.9‘ 5)<9‘ .-/+1.13*5‘ /*+‘ /<91,?,:,*.5‘ 81.9‘ 1.5‘ .8,*.>‘ :17713*5‘ 34‘ 1*9/=1./*.5‘ </**3.‘ 73*2‘ =,‘ 9,7+‘ =/<0‘ 3).51+,‘ .9,‘ .-,*+‘ 34‘ 71=,-/7‘ ,C;/*513*

9,‘ ;)-5)1.‘ 34‘ 2/:,‘ /710,‘ 81.9‘ 3.9,-‘ /5;,<.5‘ 34‘ ;/*159‘ .91*25‘ 15‘ *3.‘ ,C,:;.‘ 4-3:‘ 5./-.71*2‘ 5)-;-15,5‘ ‘ -/:=7,‘ .9-3)29‘ .9,‘ <15.)55<-)=‘ 81.9‘ *3‘ :3-,‘ ,C<1.1*2‘ 3=E,<.‘ .9/*‘ 5933.1*2‘ /‘ 4,8‘ -,+7,25‘ :/>‘ -,5)7.‘ 1*‘ =/221*2‘ /‘ 7>*CB 3-‘ /‘ 9/*+4)7‘ 34‘ 5*1;,‘ 4-3:‘ 53:,‘ </*,=-/0,‘ =,‘ /)2:,*.,+‘ =>‘ .9,‘ /++1.13*‘ 34‘ /‘ 817+ =3/-‘ .‘ 15‘ *3.‘ .9/.‘ 2/:,‘ /=3)*+5‘ =).‘ .9/.‘ .9,‘ <3)*.->‘ 15‘ 81+,‘ /*+‘ 817+‘ /=/*+3*,+‘ .3‘ */.)-/7‘ 5./.,‘ /*+ <3:=1*1*2‘ <3*+1.13*5‘ <3*2,*1/7‘ .3‘ /*1:/7 714, 4‘ .9,‘ =12 2/:, .9/.‘ 15‘ 3=./1*,+‘ 3-‘ 34‘ 1.5‘ 9/=1./.5‘ .9,-,‘ 15‘ *3‘ /;;-3C1:/.,‘ ,5.1:/.,‘ *3-‘ +3‘ ;-,<15,‘ 0*387,+2,‘ 3-‘ -,<3-+5‘ ,C15.‘ /<9‘ ?177/2,‘ 1*‘ .9,‘ 51,--/‘ 3-‘ 9129,-‘ :3)*./1* -,213*‘ 71?,5‘ 1.5‘ 38*‘ 714,‘ /;/-.‘ 3:)*1</.13*‘ 81.9‘ 3.9,-‘ ;7/<,5‘ 15‘ -/-,‘ /*+‘ +1441<)7.‘ *3-‘ 15‘ 1.‘ 53)29.‘ *,‘ :)5.‘ 23‘ 3*,5,74‘ .3‘ .9,‘ 5;3.‘ .3‘ /5<,-./1*‘ 81.9‘ /*>‘ 53-.‘ 34‘ /<<)-/<>‘ 89/.‘ 2/:,‘ 9/5‘ =,,*‘ 3-‘ :/>‘ =,‘ 3=./1*,+‘ .9,-,/.‘ 915‘ :,/*5‘ 41*+1*2‘ 3).‘ ,?,->‘ 4/<.‘ /.‘ 41-5.@ 9/*+‘ 43-‘ *3‘ -,71/*<,‘ </*‘ =,‘ ;7/<,+‘ 3*‘ -,;3-.5‘ 3-‘ 9,/-5/>‘ ,?1+,*<,‘ 3-‘ +3,5‘ .915‘ -,:/-0‘ /;;7>‘ .3‘ 2/:,‘ /73*,‘ ¥ 1.‘ /;;71,5‘)*1?,-5/77>‘ 1*‘ 817+,-‘ ;/1*‘ 9,‘ *27159:/*‘ 5.-/>1*2‘ 1*‘ .9,5,‘ 73*,‘ 5<,*,5‘ 41*+5‘ 91:5,74‘ /:3*25.‘ /‘ 01*+7>‘ =).‘ 1*+,;,*+,*.‘ ;,3;7,‘ 89,-,‘ 5>:;/.9>‘ /*+‘ /‘ 0*387,+2,‘ 34‘ .9,‘ 7/*2)/2,‘ </-->‘ 91:‘ 4)-.9,-

than money. Where all are *Caballeros*, neither titles nor wealth impress or subdue. The wanderer is free to join his new-made friends in the chase, taking equal chance with keen sportsmen and on terms of equality. He will find his nationality a passport to their liking, and soon discover that Arab hospitality has left an abiding impress in these wild regions; as, indeed, Moorish domination has done on every Spanish thing.

That last sentence sums up an ever-present and essential factor. In any description of this country, however superficial, this Oriental heritage must always be borne in mind as an influence of first importance. Previous to the Arab inrush, Spain had enjoyed practically no organic national existence. The Peninsula was occupied by a cluster of separate kingdoms, not united nor even homogeneous, and usually one or another at war with its neighbour. Neither Roman nor Goth had fused the Spanish races into a concrete whole during their eight centuries of overlordship.

Types of Spanish Bird-Life

WOODCHAT SHRIKE (*Lanius pomeranus*)

In A.D. 711 occurred a decisive day. Then, on Guadalete's plain, below the walls of Jerez, that impetuous Arab chieftain Tarik overthrew the Gothic King Roderick and with him the power of Spain. Like an overwhelming flood, the Arabs swept across the land. Within two years (by 713) the insignia of the Crescent floated above every castle and tower, and Moslem rule was absolute throughout the country—excepting only in the wild northern mountains of Asturias, whence the tenacity of the mountaineers, guided by the genius of Pelayo, flung back the tide of war.

Spanish history for the next seven centuries (711–1492) records "Moorish domination." Now history, as such, lies outside our scope; but we become concerned where Arab systems, and their methods of colonisation, have altered the face of the earth and left enduring marks on wilder Spain. And we may,

□# $%&' (‘ %!)#

=,>3*+‘ .9/.‘ =,‘ /7738,+‘ .3‘ 1*.,-;37/.,‘ /‘ -,:/-0‘ 3-‘ .83‘ 1*‘ ,7)<1+/.13*‘ 34‘ 89/.‘ 53:,.1:,5‘ /;;,/-‘ ;3;)7/-‘ :15<3*<,;.13*5‘ 3*‘ .9,5,‘ /*+‘ 5)=5,6),*.‘ ,?,*.5‘ 9)5‘ +)-1*2‘ .9,‘ ;,-13+‘ +,*3:1*@ /.,+‘ G‘ +3:1*/.13* H‘ .9,‘ -/=‘ <3*6),-3-5‘ ,*E3>,+‘ *3‘ ;,/<,4)7‘ 3-‘)*+15;).,+‘ ;355,5513*‘)-1*2‘ /77‘ .935,‘ <,*.)-1,5‘ .9,-,‘ <3*.1*),+‘ 3*,‘ 73*2‘ 5)<<,5513*‘ 34‘ 8/-5A 1*.,-:1..,*.‘ /..,:;.5‘ 5)<<,554)7‘ /*+‘ .9,‘ -,?,-5,‘ /.‘ -,<3*6),5.‘ =>‘ .9,‘ 9-15.1/*‘ ;38,-‘ ,-,‘ /‘ ;/.<9‘ 34‘ 2-3)*+‘ /‘ <1.>‘ 3-‘ /‘ ;-3?1*<,‘ 8/5‘ -,2/1*,+B‘ ;-,5,*.7>‘ ;,-9/;5‘ .3‘ =,‘ 735.‘ /‘ 5,<3*+‘ 3-‘ /‘ .91-+‘ .1:,‘ ,?,-‘ 43-‘ 73*2‘ 8/5‘ .9,-,‘ /‘ 41*/7‘ /<<,;./*<,‘ 34‘ .9,‘ :/E3-‘ 43-<,‘).‘ +)-1*2‘ .9,‘ 1*.,-7)+,5‘ .9,‘ ;,-13+5‘ 34‘ -,5.‘ =,.8,,*‘ 5.-)227,5‘ .9,‘ .83‘ <3*@ .,*+1*2‘ -/<,5‘ 71?,+‘ 1*‘ :3-,‘ 3-‘ 7,55‘ 4-1,*+7>‘ 1*.,-<3)-5,‘ ,C<9/*21*2‘ <3)-.,51,5‘ /*+‘ ,?,*‘ :/1*./1*1*2‘ /‘ 5.3).‘ -1?/7->‘ 1*‘ .935,‘ 8/-710,‘ 43-:5‘ 34‘ 5;3-.‘ 891<9‘ 1*‘ :,+1:?/7‘ .1:,5‘ 43-:,+‘ =).‘ /‘ 5)=5.1.).,‘ 43-‘ 8/-‘ .‘ 8/5‘ .9,*<,‘ .9/.‘ .9,‘ <)5.3:‘ 34‘ =)77 4129.1*2‘ .330‘ 1.5‘ -15,‘ 4‘ *3.‘ 4129.1*2‘ -/=5‘ 4129.‘ =)775‘ /*+‘ 53‘ ;-,;/-,‘ 43-‘ .9,‘ :3-,‘ 5.-,*)3)5‘ <3*.,5.‘)<9‘ <3*+1.13*5‘ <3)7+‘ 93.‘ =).‘ 9/?,‘ .,*+,+‘ .38/-+5‘ 2-,/.,-‘ <39,-,*<,‘ /:3*2‘ .9,‘ ?/-13)5‘ ,7,:,*.5‘ 3*‘ .9,‘ 9-15.1/*‘ 51+,‘ ,C<,;.‘ 43-‘ .9,‘ 1*<,55/*.‘ 1*.,-*,<1*,‘ -1?/7-1,5‘ =,.8,,*‘ .9,‘ 9-15.1/*5‘ .9,:5,7?,5‘ ‘ ;/*159‘ 0*129.‘ 3-‘ 01*27,.‘ 83)7+‘ 1*?30,‘ .9,‘ /1+‘ 34‘ 915‘ */.13*5‘ 43,‘ .3‘ <3*5371+/.,‘ 3-‘ ,5./=7159‘ 915‘ 38*‘ ;,..>‘ ,5./.,‘ 9-15.1/*5‘ 81.9‘ #357,:‘ /)C171/-1,5‘ 43)29.‘ #357,:5‘ -,1*43-<,+‘ =>‘ 9-15.1/*‘ -,*,2/+,5

93‘ #33-159‘ 1*?/+,-‘ 9/+‘ .3‘ 4129.‘ 43-‘ 915‘ ;355,5513*A ,?,->‘ >/-+‘ 34‘ 1.‘ ,.‘ +,5;1.,‘ .9/.‘ .915‘ ,*,-2,.1<‘ -/<,‘ 43)*+‘ .1:,‘ .3‘ <373*15,‘ .3‘ +,?,73;‘ /*+‘ ,*-1<9‘ .9,‘ 5)=E)2/.,+‘ -,213*‘ 81.9‘ /‘ .93-3)29*,55‘ .9,‘ ,?1+,*<,‘ 34‘ 891<9‘ 4/<,5‘)5‘ .3+/>‘ ,‘ +3‘ *3.‘ -,4,-‘ .3‘ .9,1-‘ <1.1,5‘ 3-‘ .3‘ 5)<9‘ :3*):,*.5‘ 1*‘ 5.3*,‘ /5‘ .9,‘ #,I6)1./‘ 3-‘ 79/:=-/‘ =).‘ .3‘ .9,1-‘ 1*.-3+)<.13*‘ 1*.3‘ -)-/7‘ ;/1*‘ 34‘ :)<9‘ 34‘ 89/.‘ .3+/>‘ <3*5.1.).,5‘ <91,4‘ 53)-<,5‘ 34‘ .9,‘ <3)*.->5‘ 8,/7.9‘ /*+‘ 891<9‘ :129.‘ 9/?,‘ =,,*‘ ,*3-:3)57>‘ 1*<-,/5,+‘ 9/+‘ #33-159‘ :,.93+5‘ =,,*‘ 437738,+‘);‘ 9,‘ P3-/*‘ ,C;-,557>‘ 3-+/1*5‘ /*+‘ +1-,<.5‘ .9,‘ 1*.-3+)<.13*‘ 34‘ /77‘ /?/17/=7,‘ 4-)1.5‘ 3-‘ ;7/*.5‘ 5)1./=7,‘ .3‘ 5317‘ .9/.‘ </:,‘ 3-‘ <3:,5‘)*+,-‘ #357,:‘ +3:1*13*‘ G‘ 9,‘ :/* 893‘ ;7/*.5‘ 3-‘ 5385‘ .9,‘ 5,,+‘ 34‘ /*>.91*2‘ 891<9‘ 81.9‘ .9,‘ 4-)1.‘ .9,-,34‘ 21?,5‘ 5)5.,*/*<,‘ .3‘ :/*‘ =1-+‘ 3-‘ =,/5.‘ +3,5‘ /*‘ /<.13*‘ /5‘ <3:,:,*+/=7,‘ /5‘ <9/-1.>H A 53‘ 8-3.,‘ 3*,‘ 34‘ .9,1-‘ ;917353;9,-5‘ G‘ ,‘ 893‘ =)17+5‘ /‘ 93)5,‘ /*+‘ ;7/*.5\‘ .-,,5‘ /*+‘ 893‘ 3;;-,55,5‘ *3‘ 3*,‘ *3-‘ 7/<05‘ E)5.1<,‘ 8177‘ -,<,1?,‘ /=)*+/*.‘ -,8/-+‘ 4-3:‘ .9,‘ 7:129.>H‘ 9,-,‘ >3)‘ 9/?,‘ .9,‘ -,71213*‘ =3.9‘ 34‘ .9,‘ 233+‘ :/*

and the good colonist. These precepts the Moors habitually and energetically carried out to the letter. Arboriculture was universal: the provinces of Valencia, Cordoba, and Toledo they filled with trees—fruit-trees and timber. In the warm valleys of the coast and in the sheltered glens of the mountains they acclimatised exotic fruits, plants, and vegetables hitherto restricted to the more benign climes of the East or to Afric's scorching

TYPES OF SPANISH BIRD-LIFE
GRIFFON VULTURE (*Gyps fulvus*)
Abounds all over Spain: sketched while drying his wings after a thunderstorm, in the Sierra de San Cristobal, Jerez.

strand. Sugar-cane flourished in such luxuriance as to leave available a heavy margin for export. The fig-tree and carob, quince and date-palm, the cotton-plant and orange, with other aromatic and medicinal herbs, together with aloes and the anachronous-looking prickly-pear (*Cactus*), its amorphous lobes reminiscent of the Pleistocene, were all brought over for the use and benefit, the delight and profit of Europe. Of these, the orange to-day forms one of Spain's most valuable exports, representing some three millions sterling per annum.

Silk and its manufacture represented another immense source

34' 8,/7.9' /*+' 1*+)5.->' 1*.-3+)<,+' 1*.3' ;/1*A .3 +/>' ,C.1*<.' 9,' #33-5' <3?,-,+' *+/7)<1/' 81.9' :)7=,--> 2-3?,5'V 1*' $-/*/+/'/73*,'-/*' M!!!' 733:5' 43-' .9,' 8,/?1*2' 34' .9,' 41=-,'/*+' .9,' 5.-,,.5' 34' .9,' /</.1*' /*+' .9,' 7</-<,-1/'=,</:,' 83-7+ :/-0,.5' 89,-,' ,?,->' ?/-1,.>' 34' <35.7>' 5.)445' 8,-,' =3)29.' /*+' 537+A ./4,./*5' ?,7?,.5' /*+' -1<9,5.' .,C.)-,5' .9/.' 5)-;/55,+' 1*' 6)/71.>' /*+' =-1771/*<>' 34' .1*.',?,*' .9,' 4/-4/:,+';-3+)<.5' 34' 1I/' 73-,*<,' /*+' .9,' ,?/*.1*,'<1.1,5' 891<9' 51*<,' 3:/*'+/>5' 9/+' :3*3;3715,+' .9,' 5170 5);;7>' 34' .9,' 83-7+' 9,5,' *38' 43)*+' .9,1-' 8/-,5' +15;7/<,+' =>' ;/*159' 51705' ,?,*' .9,' 5):;.)3)5' 4'<-,/.13*5'H' 34' ,-51/' /*+' 91*/':,.' 81.9' /'+/*2,-3)5'-1?/7->

)<9' 8/5' .9,'.,<9*1</7' 5017' /*+' 5)<<,55' 34' .9,' #33-5' 1*' /2-1<)7.)-,' /*+' /<<71:/.15/.13*' .9/.' 3*' .9,',?,*.)/7' <3*6),5.' /*+' 41*/7',C;)7513*' 34' .9,1-'-/<,' 4-3:' ;/1*' 3?,-.)-,5' 8,-,' :/+,' 81.9' /'?1,8' 34' 1*+)<1*2' /'<,-./1*';-3;3-.13*' .3'-,:/1*' 7,5.' ;/1*' :129.' 735,',?,->',C;,-.' 59,';355,55,+' 1*' .9,5,',55,*.1/7';)-5)1.5' 1C' 4/:171,5' 1*' ,?,->' 9)*+-,+' 8,-,';-3:15,+'/:*,5.>' 3*' <3*+1.13*' 34' -,:/1*1*2'=).' *3*,' /<<,;.,+' .9,' 344,-' ,,;' /5' 8/5' .9,1-' 73?,' 43-' ;/1*A 53' +,,;' .9/.' .9,' +,;/-.1*2' #33-5' /-,' -,7/.,+' .3' 9/?,' 0*,7.' /*+' 0155,+' 1.5' 5.-/*+' ,-,',:=/-01*2'=-30,*9,/-.,+' 43-' 4-1</A >,.' *3.' /':/*' 34' .9,:' =).' -,4)5,+' .3' -,:/1*' /5' ?/55/75' 89,-,' 43-' <,*.)-1,5' .9,>' 9/+' 71?,+' /5' 73-+5

)<9' 8,-,' .9,' #33-5A 5.-3*2' 1*' 8/-' >,.',6)/77>' 5.-3*2' 1*' /77' .9,' /-.5' /*+',*.,-;-15,5' 34' ;,/<,' 4177,+' 81.9' ,*,-2>' /*' 1*+)5.-13)5' /*+' /' ;-/<.1</7' -/<,'.' 15' 5/4,' .3' 5/>' .9/.')*+,-' .9,1-' -,21:,' .9,' -,53)-<,5' 34' .915' +1441<)7.' 7/*+' 8,-,' =,1*2' +,?,73;,+' .3' .9,1-').:35.' </;/<1.> R

4' .9,' 41*/7',C;)7513*' 34' .9,' #33-5' D/*+' .9/.' 34' .9,' ,85' 8/5' /*/7323)5' .15' *3.' 43-')5' .3' 8-1.,' ,.' 43-' ;/1*' =3.9' ,?,*.5' ;-3?,+' :3:,*.3)5' /*+' /73*2' 81.9' .9,' /*.,<,+,*.' ;-/<.1<,5' 34' .9,' #3-15<35' ;-3?1+,' 51+,7129.5' 3*' 915.3->' .9/.' /-,' 83-.9' <3*51+,-/.13*]

' 9,'.,-:'G #33-H' 9/5' /78/>5' 5,,:,+' .3')5' /'.-147,')*43-.)*/.,'/5'.,*+1*2' .3' 1*+1</.,' .9/.' .9,'<3*6),-1*2'-/<,'</:,'4-3:' #3-3<<3A G)-05' H' 3-' G -/=5' H' 83)7+' 9/?,'=,,*' /':3-,' /E1;-3;-1/.,'.1.7,' 3-' 414.>',/-5'/4.,-' .9,'<3*6),5.' ;/1*' 8/5' 23?,-*,+'=>' :1-5' 5)=E,<.' .3' .9,' P/71;95' 34' /:/5<)5' .9,' 41-5.' 1*+,;,*+,*.';38,-'=,1*2' 81,7+,+'=>' .9,' :1-' =+,1/71:/*' 81.3' 1*' ' ' ' ')5)-E,+' .9,'.1.7,' 34' P/71E^9' 34' 3-+3=/' 9/.' 0/71E19/.,'=>' .9,' 8/>' +)-1*2' 1.5',/-71,-' 5;7,*+3)-5'=,</:,' .9,'<,*.-,' 34')*1?,-5/7<)7.)-,' 3-+3=/'=,1*2' .9,' 1*.,77,<.)/7</;1./7' 34' .9,' 83-7+' 81.9' /';3;)7/.13*' .9/.' 9/5'=,,*' 5./.,+'/.' .83' :17713*5

8 3-' .9,' 1*43-:/.13*' 34' -,/+,-5' 893' 9/?,' *3.' 5.)+1,+' .9,' 5)=E,<.' 1.' :/>'=,' 8,77' .3' /++' .9/.' +)-1*2' .9,',/-7>',-5' 34' .9,' 5,?,*.,,*.9'<,*.)->' 53:,.91*2' 710,'/' :17713*' 34' 1^/*159' #33-5A .9,' :35.' 1*+)5.-13)5' 34' 1.5' 1*9/=1./*.5A 8,-,',1.9,-' :/55/<-,+' 1*' ;/1*' 3-',C;,77,+' 4-3:' .9,'<3)*.->

9,' 5)=E31*,+' 5./.15.1<5' 21?,' .9,' 5./.,' 34' ;/*159' /2-1<)7.)-,' /.' .9,' ;-,5,*.' +/>' .9,' .3./7' /<-,/2,' =,1*2' ./0,*' /5' M! (ML Q&&' 9,<./-,5' D R' /<-,5' ,/<9 VA

,<./-,5
)7.1?/.,+' ' L '! &&!
*<)7.1?/.,+'VA
/5.)-,'5<-)7'/*+'833+' ' (!MM M('
*;-3+)<.1?,' ' ' ' (Q"% QL

3./7 & '(& &!&

$-/*+' 3./7 M! (ML Q&&

9,5,'412)-,5' +,:3*5.-/.,' ;-,<15,7>' .9,' ,C.,*.' 34' .9,' /).93-5' <3*+3:1*1):'1*' ;/1*A 8,77' 3?,-' 3*, 9/74' .9,' <3)*.->X 1.9' .9,' /-,/')*+,-' <)7.1?/.13*' D5/>' (%' ;,-' <,*.' 8,' 9/?,' =).' 3*,' <3*<,-*A .9,' $-,/.')5./-+' 9,'-,:/1*1*2' M'';,-' <,*.';,-./1*' /=537).,7>' .3' 3)-';-3?1*<,A 17+,-' ;/1*' 9,'.,-:' 5<-)=' 3-' =-)59833+' D1*' ;/*159' (' .93)29' =>' /' 53-.' 34' <3)-.,5>'1.' :/>=,'-/*0,+'/5' G';/5.)-,'H A /*+';/-.5' 34'1.'+3'5);;3-.'9,-+5' 34' 59,,;' /*+' 23/.5A 1:;71,5' /5' /' -)7,' .9,' 817+,5.' 34' -3)29' <3?,-.' /*+' E)*27,' -3)29,-' 4/-' .9/*' /' <3..159' +,,-43-,5.B /*+' .915' ' <73.9,5' 8,77 *129' 3*, 9/74' 34' ;/1*

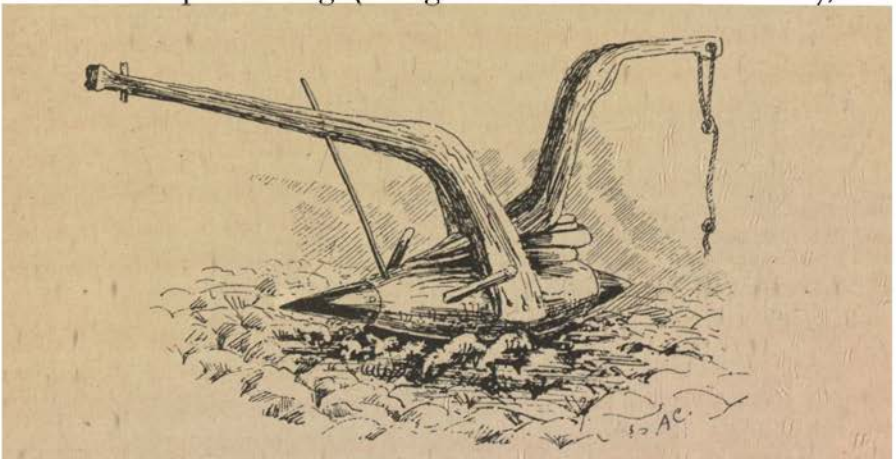
)<9' 412)-,5' :/>' /;;,/-' .3' 1*4,-' <3*51+,-/=7,' /;/.9>' /*+' 7/<0' 34',443-.' /5'-,2/-+5' /2-1<)7.)-,' 8,-,' *,?,-.9,7,55' /' 4/75,' /55):;.13*' .3' <3*<7)+,' .9/.' ;/*159' :3)*./1*,,-5' /-,' /*' 1+7,' -/<,A 6)1.,' .9,' -,?,-5,' /5' 15' -,;,/.,+7>' +,:3*5.-/.,+' 1*' .915' =330' *' .9,' 91775' ,?,->' /<-,' 34' /?/17/=7,' 5317' 15').1715,+' 34.,*' /.' 89/.' /;;,/-5',C<,551?,'7/=3)-A :/>=,'1.' 15' /' ;/.<9' 53' .1*>' /5' 9/-+7>' .3' 5,,:' 83-.9' .9,' .1771*2' 3-' 53' .,--1=7>' 5.,,;' .9/.' *3*,' 5/?,' /' ' <3)7+' 0,,;' /' 433.937+' :)<9' 7,55' ;73)29' 538' /*+' -,/;

9,' :/1*' ,C;7/*/.13*' 34' .9,' 1:',*5,' ;,-<,*./2,' 34' 8/5.,' 71,5' 1*' .9,' 4/<.' 41-5.' 5,.' 43-.9A .9,' 9129' 2,*,-/7',7,?/.13*' 34' ;/1*' B /*+' 5,<3*+7>' 1*' 9,-' :3)*./1*3)5' <9/-/<.,-

9,.9,-' .9,5,' 3-' /*>' 3.9,-' ,C.,*)/.1*2' <1-<):5./*<,5' /;;7>' .3' .9,' <3-* 7/*+5' 8,' /-,' *3.' 5)441<1,*.7>',C;,-.' 1*' 5)<9' 5)=E,<.5' /5' .3' ,C;-,55' /' <3*41+,*.' 3;1*13*').' 8,' .91*0' *3.' 3' /*.16)/.,+' 8/5.,4)7' /*+')..,-7>' 1*,441<1,*.' 9/?,' =,,*' ;/*159' :,.93+5' 34' /2-1<)7.)-,' .9/.' /' 7/*+' 891<9' :129.' =,' 3*,' 34' .9,' 2-/*/-1,5' 34')-3;,' 15' /<.)/77>' .3' 53:,' ,C.,*.' +,;,*+,*.' 3*' 43-,12*' 2-/1*' /*+' .9/.' +,5;1.,' /*' 1:;3-.+).>X ' +15.1*<.' :3?,:,*.' 15' *,?,-.9,7,55' ;,-<,;.1=7,' 1*' .9,' +1-,<.13*' 34

employing modern agricultural machinery, chemical manures, and such-like. Irrigation in a land whose head-waters can be tapped at 2000 feet and upwards could be carried out on a larger scale and at cheaper rates than in any other European country—yet it is practically neglected; no considerable extension has been made to the two million acres of irrigated lands that existed when we last wrote, twenty years ago, although the ruined aqueducts of Roman, Goth, and Moor are ever present to suggest the silent lesson of former foresight and prosperity.

One incidental circumstance of rural Spain, the fatal effects of which are all-penetrating (though it will never be altered), is



WOODEN PLOUGH-SHARE

(As still commonly used.)

absenteeism on the part of landowners. Not even a tenant-farmer will live on his holding. No, he must have his town-house, and employ an administrator or agent to superintend the farm, only visiting it himself at rare intervals. Oh! that hideous nightmare, the hireling, how his dead-weight of apathy and dishonesty at secondhand crushes out every spark of interest and enterprise, and breeds in their stead a rampant crop of all the petty vices and frauds that prey on industry. But that evil can hardly be eradicated.

What we British understand by the expression "country life" totally fails to commend itself to the more gregarious peoples of the south. Rich and poor alike, from grandee to day-labourer, the Spanish ignore and disdain the joys of the country. They call it the *campo* and the *campo* they detest. Each nightfall

#* '(,"*' . /

:)5.' 5,,' ,?,->' :/*' 34' .9,:' 1--,5;,<.1?,' 34' <7/55' /55,:=7,+' 81.91*' .9,' 8/775' 34' .9,1-' =,73?,+' .38*' 3-' <1.>' 1--,515.1=7>' /..-/<.,+' .3' 5.-,,. 21-.' /=3+,A=,' 1.' 9):=7,5.' <3.' 3-' 5):;.)3)5' ;/7/<,' D/*+' 3*,' 5./*+5'*,C.' +33-' .3' .9,' 3.9,-' ?,*' 5)=)-=/*' ,C15.,*<,' 15' ,5<9,8,+' 9,-,' /-,' *3' 3).,-' 4-1*2,5' .3' /' ;/*159' .38*' 3' 5.-/2271*2' G' ?177/' -,51+,*<,5 H' *3' /=)-*):' 3+2,' 3-' 1?,-1,8' G' 3-*/:,*.' H' .9,' ,C.-/:)-/7' 5371.)+,' /<0' /.' +)50' /77' 91,' <-38+1*2' .3' .9,' ' .3' <7)=' 3-' </51*3' .3' 53<1/7' 2/.9,-1*2' /*+' 2/:,5' 34' <9/*<,' 3-' D:3-,' -/-,7>' 34' 50177' 9/.')=16)1.3)5' .,-:' G' 5' 891<9' :/>' =,' .-/*57/.,+' 23551;' <9/..,-' 7129.9,/-.,+' 1*.,-<3)-5,' 4)74175' .9,' 1+,/75' 34' 714,' .5' :3-,' 5,-13)5' 51+,A-,/+1*2' 5.)+>' 5<1,*.141<' ;)-5)1.A 9/?,' 71..7,' ;7/<,B 5,7+3:' +3,5' 3*,' 5,,' /' 71=-/->' 1*' /*>' ;/*159' 93:,')-=/*' 3-' -)-/7

3*,' </*' /<<)5,' .9,' /).93-5' 34' +,51-1*2' .3')5,' /' <3:;/-153*' D;-3?,-=1/77>' 3+13)5' .3' .9,' +,.-1:,*.' 34' 3)-' ;/*159' 4-1,*+5' 9,' /=3?,' 15' :,-,7>' /' -,<3-+' 34' ;/.,*.' 4/<.5' .9/.' :)5.' 6)1<07>' =,<3:,' 3=?13)5' .3' .9,' 7,/5.' 3=5,-?/*.' .' 15' =)." /' +,41*1.13*' 34' +1?,-2,*.' 1+135>*<-/51,5' /5' =,.8,,*' +144,-,*.' 9):/*' 2,*,-/' *+' -,:,:=,-' .9/.' 8,' 1*' *27/*+' 9/?,' -,<,*.7>' =,,*' .37+' .9/.' 3)-' -)-/7' 5>5.,:' 15' 4-/)29.' 81.9')*5,,*' /*+')*5)5;,<.,+' ,?17' *.3' .935,' 81+,-' 6),5.13*5' 8,' 9/?,' *3' 1*.,*.13*' 34' ,*.,-1*2').' /.' 7,/5.' 3)-' 1:;-,5513*5' /-,' =/5,+');3*' ;,-53*/7' ,C;,-1,*<,' 34' =3.9' 71*,5' 34' 714,' 8917,' :)<9' 34' .9,' ?1.);,-/.13*' -,<,*.7>' ;3)-,+');3*' -)-/7' *27/*+' 15' +,-1?,+' 4-3:' /' ?1,8' 34' =).' 3*,' /*+' *3.' /' ?,->' <7,/-' ?1,8' /.' .9/.

9,-,' .9,' 38*,-A=12' 3-' 71..7,' =).' .9,' :3-,' 34' .9,:' .9,' =,..,-A 71?,5' 3*' .9,' 7/*+' .9/.' 7/*+' /*+' .9,' <3)*.->' /.' 7/-2,' =,*,41.' .3' /' +,2-,,' .9/.' 15' +,:3*5.-/.,+' 81.9' 51*2)7/-' <7,/-*,55' =>' 5,,1*2' .9,' <3*?,-5,' 5>5.,:' /5' 1.' 15' ;-/<.15,+' 1*' ;/1*' .3+/>' ,-,' *3' 3*,' 38*,-' 3-' .,*/*.A 5.177' 7,55' .9,' 91-,71*2A./0,5' /*>' 71?1*2' 1*.,-,5.' D.3' 5/>' *3.91*2' 34' ;-1+,' 1*' 915' ;355,5513*' 3-' 3<<);/.13*' =,>3*+' .9/.' ?,->' 593-.5129.,+' G' 1*.,-,5.' H' 34' 56),,I1*2' .9,').:35.' 3).' 34' 1.' 4-3:' +/>' .3' +/>' *<1,*.' 43-,5.5' /-,' <).' +38*' /*+' =)-*.' 1*.3' <9/-<3/7' /*+' -/-,7>' /' .-,' -,;7/*.,+' 3-' /' .93)29.' 21?,*' .3' .9,' -,5)7.1*2' ,44,<.5' 3*' -/1*4/77' 3-' <71:/.,' 5' .3' =,/).>' 34' 7/*+5</;,A 89/.' :/.,-' 5)<9' /,5.9,.1<' *3.13*5' 89,*' .9,' 38*,-' 71?,5' /' 9)*+-,+' :17,5' /8/>' F' 9,' <377/.,-/7' 4/<.' .9/.' .3' /' 2-,/.' ,C.,*.' */.)-,5' =,/).>' /*+' */.)-,5' 214.5' /-,' /*/7323)5' /*+' 1*.,-+,;,*+,*.' 15' 12*3-,+')<9' 51:;7,' 155),5' /-,' .33

insignificant, and too little understood, for frothy rhetoricians to reflect upon : the latter, moreover, like Gallio (and Pontius Pilate) care for none of these things.

A characteristic that differentiates the Spaniard, north or south, from other (more modern) nationalities, is a comparative indifference in money matters. Now a Spaniard requires money for his daily needs as much as the others ; yet he never sinks to the level of total absorption in his pursuit of the dollar. Put that down to apathy, if you will—or to pride ; at least there is

TYPES OF SPANISH BIRD-LIFE

CETTI'S WARBLER (*Sylvia cettii*)

A winter songster, abundant but rarely seen, skulking in densest brakes.

dignity in the attribute. The leading Spanish newspapers quote the various market fluctuations and changes in value from day to day. Sometimes, possibly, the report may read *sin operaciones*, but never will you see conspicuously protruded, as a main item in the morning's news, the headline "Wall Street." There is (or was) dignity in commerce, and there may yet be readers in England who silently wish that such matters were relegated to their proper position—the monetary columns.

The chief financial flutter that interests is the Government lottery which is held every fortnight, and at which all classes lose their money ; but the National Treasury profits to the tune

34 .9-, , : 17713*5 5., -71*2 >, / -7> ; /1* 15 .9, 93 : , 34 4 <9/*<, H .9/ , 7, : , *. / ; ; , /75 .3 ; /*159 <9/-/<., - 9)5 1* =)77 4129.1*2 D.9, 3*, ;3;)7/- ; /5.1 : , .9, */ : , /; ;71, + .3 , /<9 34 1.5 43- :)7/., + , C; 731.5 15 A <9/*<_

15 4-, 6), *.7> /<<)5, + 34 =, 1*2 / 7/*+ 34 /-+7> </* 8, </77 .3 : 1*+ / 9330 3* .9, <3) *.-> 1* 891<9 53 : , ;7/> 3* .9/. 83-+ +3,5 *3. 412)-,) . ; -3<-/5.1*/.13* 15 *3. <3*41*, + .3 /*> 3*, <3) *.-> /*+ 1* .915 </5, .9, /<<)5, -5 /-, 6)1., /5 710, 7> .3 =, 2)17.> /5 .9, /<<)5, + <9/-/<., -15.1< .9/. 5.-10, 5)5 /5 : 3-, / ; ;71</=7, 15 -/.9, - .9, -, ?, -5, A .9/. 34 ./01*2 *3 .93)29. 43- .9, : 3--38 , .)5 ./0, /* , C/ : ;7, 3- .83 . 15 *3. .9, <)5.3 : .3 -, ; /1- -3/+5 9, * 4-3 : 73*2)5, /* -3/+ 9/5 2-/+) /77> ; /55, + 4-3 : =/+ .3 83-5, .177 /. 7, *2.9 1. 9/5 ?1-.) /77> <, /5, + .3 , C15. .9, * 1. 15 G -, <3*5.-)<.13* H .9/. 15 .9, -, : , +> **) /7 -, ; /1-5 3*, : /> ; -, 5) : , 83)7+ <35. 5/> 9/74 .9, / : 3)*. 83)7+ ; -, 5, -?, <3*.1*)3)5).171.> /*+ /?31+ .9/. 57387> /22-/?/., + +, 5.-)<.13* .9/. , *+5 41*/77> 1* /* 91/.)5). .9/. 15 *3. .9, ; /*159 8/> G , <3*5.-)<.13* H 15 ; -, 4, --, + 9, -).97, 55 <)..1*2 +38* 34 9, - 43-, 5.5 81.93). -, ; 7/*.1*2 /* 51*27, .-, 9/5 /7-, /+> =, , * 6)3., + , C. ./0, /* , C/ : ;7, 3- .83 34 .9, .91*25 .9/. 71, : 35. +1-, <.7>)*+, - .9, /).93-5 5; , <1/7 ?1, 8 5)<9 /5 2/ : , 9, 1=, C A /*)*16), /55, . -, 5.-1<., + .3 ; /1* /*+ 34 891<9 /*> 3.9, - <3) *.-> 83)7+ =, ; -3)+A 9/5 =, , * </773)57> 593. +38* 81.93). .93)29. 43- .3 : 3--38 , C.1-; /., + 43- , ?, - 1* /* +31, * 34 1.5 43- : , - 9/=1./.5 9, -, +7, 2A)*+, - .9, :)-+, -3)5 5>5., : 34 5933.1*2 >, /- 1* /*+ >, /- 3). 3?, - +, <3> =1-+5A 83)7+ =, , C., - : 1*/., + 81.91* .9-, , 3- 43) - >, /-5 1* /*> 3.9, - <3) *.-> 5/?, .915 . 15 : , -, 7> .9, 1*<-, +1=7, 4, <)*+1.> 34 .9, =1-+ /*+ .9, ?/5. /-, / 34 8/5., 7/*+5 .9/. ; -, 5, -?, 5 .9, =-, , + /-.-1+2, 1* ; /1* /-, 710, -/==1.5 1*)5.-/71/A 1*+, 5.-)<.1=7, 9, .-3). /443-+5 /*3.9, - , C/ : ;7, ?, ->89, -, , 75, 3* , /-.9 .9, .-3). 15 ; -1I, + /5 3*, 34 */.)-, 5 ?/7), + 214.5A 9/-+ .3 3?, - /; -, <1/.,) 77> 3*, 9/74 34 ; /1* 15 , C; -, 557> /+/; ., + .3 1.5 -, 6)1-, : , *.5 -3). 8, -, 1*., *+, + => */.)-, .3 /=3)*+ 3?, - .9, *3-.9, -* 9/74 34 ; /1* A 5/> +38* .3 .9, 7/.1.)+, 34 # /+-1+ /*+ , ?, * 1* .9, , C.-, : , 53).9 89, -, <3*+1.13*5 /-, 4/?3)-/=7, /5 1* .9, 1, --/ , ?/+/ -3). : 129. /=3)*+ 1* ; /1* .3 .9, 4)77 /5 .9, > /=3)*+ 1* <3.7/*+ 3- 3-8/> /++1*2 ?/7), .3 , ?, -> -1?, - /*+

a grace to country life. But what is the treatment meted out to the trout in Spain? No sooner is its presence detected than the whole stock—big and little alike, even the spawn—is blown out of existence with dynamite, poisoned by quicklime, or captured wholesale (regardless of season or condition) in nets, cruives, funnel-traps, and every other abomination. Kill and eat, big or little, breeding female or immature—it matters not;

TYPES OF SPANISH BIRD-LIFE

DARTFORD WARBLER (*Sylvia undata*)

Resident. Frequents deep furze-coverts, seldom seen (as we are constrained to represent it) in separate outline.

kill all you can to-day and leave the morrow to itself. True, there are game-laws and close-seasons, but none observe them.[1]

We have selected these examples because we know and can speak with absolute authority. Presumption and analogy will naturally suggest that the same intelligence, the same blind improvidence will apply equally in other and far more important matters. Not one of our Spanish friends with whom we have discussed these subjects time and again but agrees to the letter with the above conclusions and most bitterly regrets them.

[1] At a big hotel the *menu* on May 26 included (as usual) "partridges." We emphasised a mild protest by refusing to eat them; but the landlord scored with both barrels. On opening our luncheon-basket next day (we had a twelve-hours' railway journey), there were the rejected redlegs! We had to eat them then—or starve!

CHAPTER II

UNEXPLORED SPAIN (*Continued*)

ON TRAVEL AND OTHER THINGS

TRAVEL in all the wilder regions of Spain implies the saddle. Our Spain begins, as premised, where roads end. For us railways exist merely to help us one degree nearer to the final plunge into the unknown; and not railways only, but roads and bridges soon "petter out" into trackless waste, and leave the explorer face to face with open wilds—*despoblados*, that is, uninhabited regions—with a route-map in his pocket that is quite unreliable, and a trusty local guide who is just the reverse.

TYPES OF SPANISH BIRD-LIFE

FANTAIL WARBLER (*Cisticola cursitans*)

Resident: builds a deep purse-like nest supported on long grass or rushes.

Riding light, with the "irreducible minimum" stowed in the saddle-bags, one may traverse Spain from end to end. But it is only a hasty and superficial view that is thus obtainable, and except for those who love roughing it for roughness' sake, even the freedom of the saddle presents grave drawbacks in a land where none live in the country and none travel off stated tracks. In the *campo*, nothing—neither food for man nor beast—can be obtained, and no provision exists for travellers where travellers never come. The little

rural hostelry of northern lands has no place; there is instead a *venta* or *posada* which may too often be likened to a stable for beasts with an extra stall for their riders. It is a characteristic of pastoral countries everywhere that their rude inhabitants discriminate little between the needs of man and beast.

But even towns of quite considerable size—when far removed from the track—are totally devoid of inns in our sense. Inns are not needed. The few Spanish travellers who, greatly daring, venture so far afield, usually bespeak beforehand the hospitality of some local friend or acquaintance.

TYPES OF SPANISH BIRD-LIFE

ROCK-THRUSH (*Petrocincla saxatilis*)

A beautiful spring-migrant to the highest sierras. Colours of male: opal, orange, and black, with a white "mirror" in centre of back. Female, yellow-brown barred with black.

Incidentally it may be added that a visit to one of these out-of-the-world cities—asleep most of them for the last few centuries—is a pleasing and restful change amidst the racket of exploration. One breathes a mediæval atmosphere and marvels at the revelation, enjoying prehistoric peeps in lost cities replete for the antiquary with historic memorial and long-forgotten lore. No one cares.

Yet in those bygone days of Spain's world-power these somnolent spots produced the right stuff,—a minority, no doubt, belonged to the type satirised by Cervantes,—but many more strong in mind as in muscle, who went forth, knights-errant, Paladins and Crusaders, to conquer and to shape the course of history. Is the old spirit extinct? Our own impression is that the material is there all right ready to spring to life like the

!2 !#(*- -)#3+

5.3*,5 34 ,)</713* 53 533*/5 ;/1* 59/77 9/?, 59/0,* 344 9,-1*<)=)5 34 7,.9/-2> /*+ .9, .>-/**> .9/. <7325 .9, 89,,75 34 ;-32-,55 3-* *,,+ .9, 1*.,-?/7 =, 73*2

9/. 53)*+ 9):/*:/.,-1/7 <3*.1*),5 .3 ,C15. 1* -)-/7 ;/1* 8, 9/?, 9/+ -,<,*. ,?1+,*<, +)-1*2 .9, </771*2 3). 34 7,?1,5 34 >3)*2 .-33;5 3-+,-,+ /=-3/+ .3 5,-?, .9,1- <3)*.-> 1* #3-3<<3 3*, <3)7+ 81.*,55 .9, ,*.-/1*:,*. /. 53:, -,:3., 5./.13*' 34 /+,./<9:,*. 34 .9,5, 41*, 7/+5 81.93). =,1*2 5.-)<0 => .9,1- =,/-1*2 .9,1- 5,. ;)-;35, /*+ /=3?, /77 .9,1- ;/.-13.15: 1.9 5)<9 :/.,-1/7 81.9 / 8,77 </-,+ 43- <3*.,*.,+ /*+ 73>/7 /-:> /*+ / =-3/+,*1*2 34 ?1,8 815,7> 2-/+)/.,+ =). ,6)/77> -,537).,; /1*: 3?,5 43-8/-+ 743*53 N 15 / 537+1,- 41-5. A 3 X =3?, .9/. 9, 15 / 01*2 =? */.)-, =). 915 </-, 43- 915 /-:> /*+ 1.5 8,77 =,1*2 9/5 /7-,/+> =3-*, 4-)1.5 .9/./-, :/01*2 /*+ 8177 :/0, 43- .9, 93*3)- 5/4,.> /*+ /+?/*<,:,*. 34 915 <3)*.->

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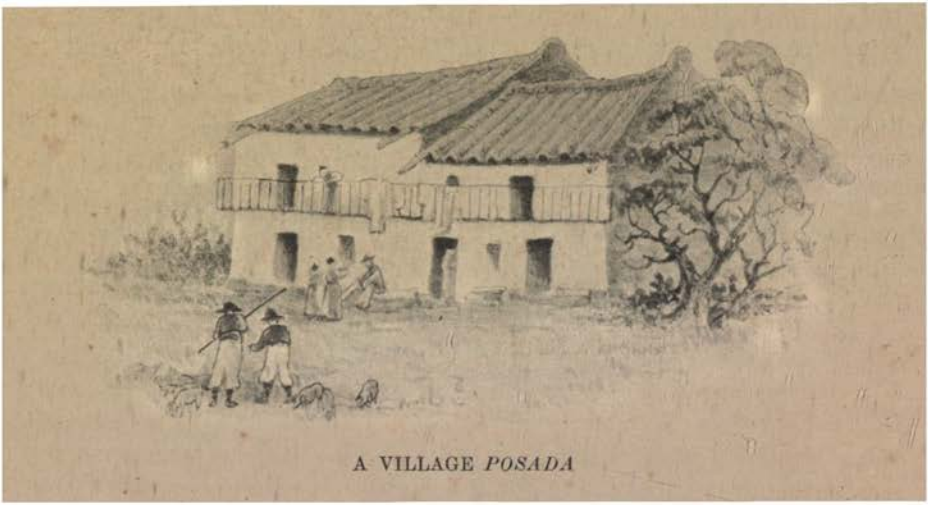
beasts, or any others that may come in, barely separated by a thatched partition that is neither noise-proof nor scent-proof. We can call instances to mind when even that small luxury was lacking, and all, human and other, shared alike. There are no windows—merely wooden hatches. If shut, both light and air are excluded; if open, hens, dogs, and cats will enter with the dawn—the former to finish what remains of supper. The cats will at least disperse the regiment of rats which, during the night, have scurried across your sleeping form.

Here we relate, as a specific example, a night we spent this last spring in northern Estremadura :—

Owing to a miscalculation of distance, it was an hour after



A VILLAGE *POSADA*

sundown ere we reached our destination, a lonely hamlet among the hills. Our good little Galician ponies were dead-beat, for we had been in the saddle since 5 A.M., and it was past eight ere we toiled up that last steep, rock-terraced slope. We were a party of three, with a local guide and our own Sancho Panza—faithful companion, friend, and servant of many years' standing. At a dilapidated hovel, the last in the village and perched on a crag, we drew rein, and after repeated knocks the door was opened by a girl—she had set down a five-year-old child among the donkeys while she drew the bolt, the ground-floor being (as usual) a stable. To our inquiry as to food—and the hunger of the lost was upon us—our hostess merely shrugged her shoulders, and with an expressive gesture of open hands, answered "Nada"—nothing! Sancho, however, was equal to the occasion. Within two minutes,

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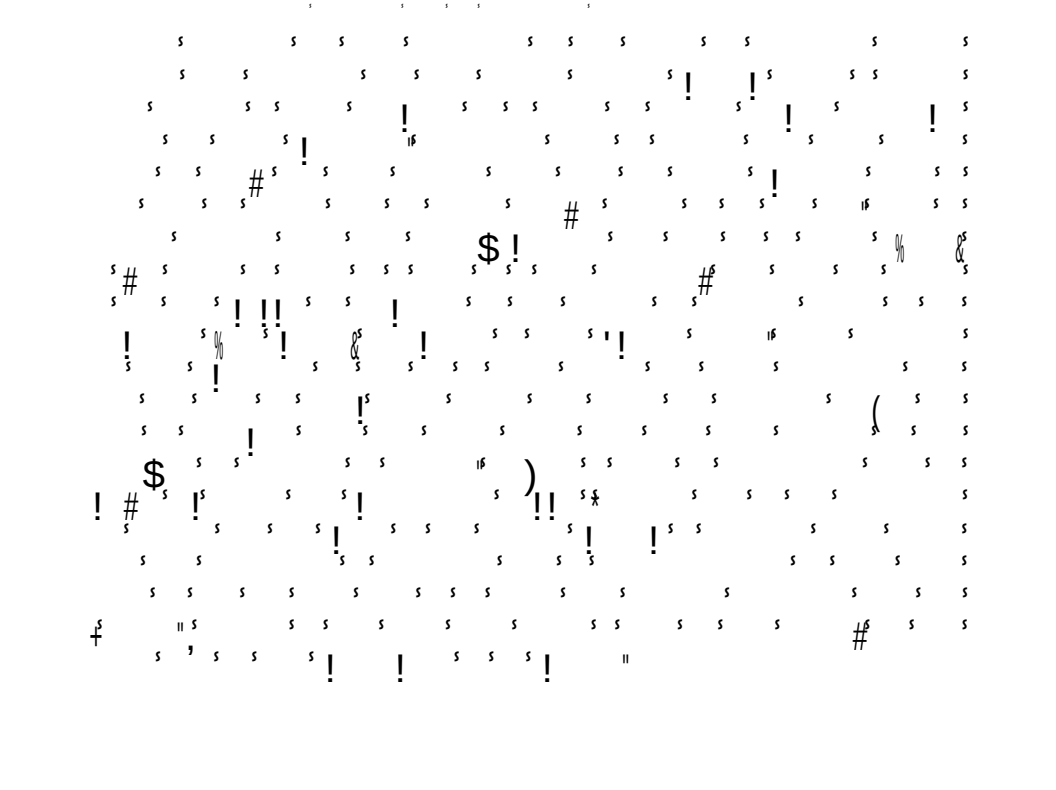
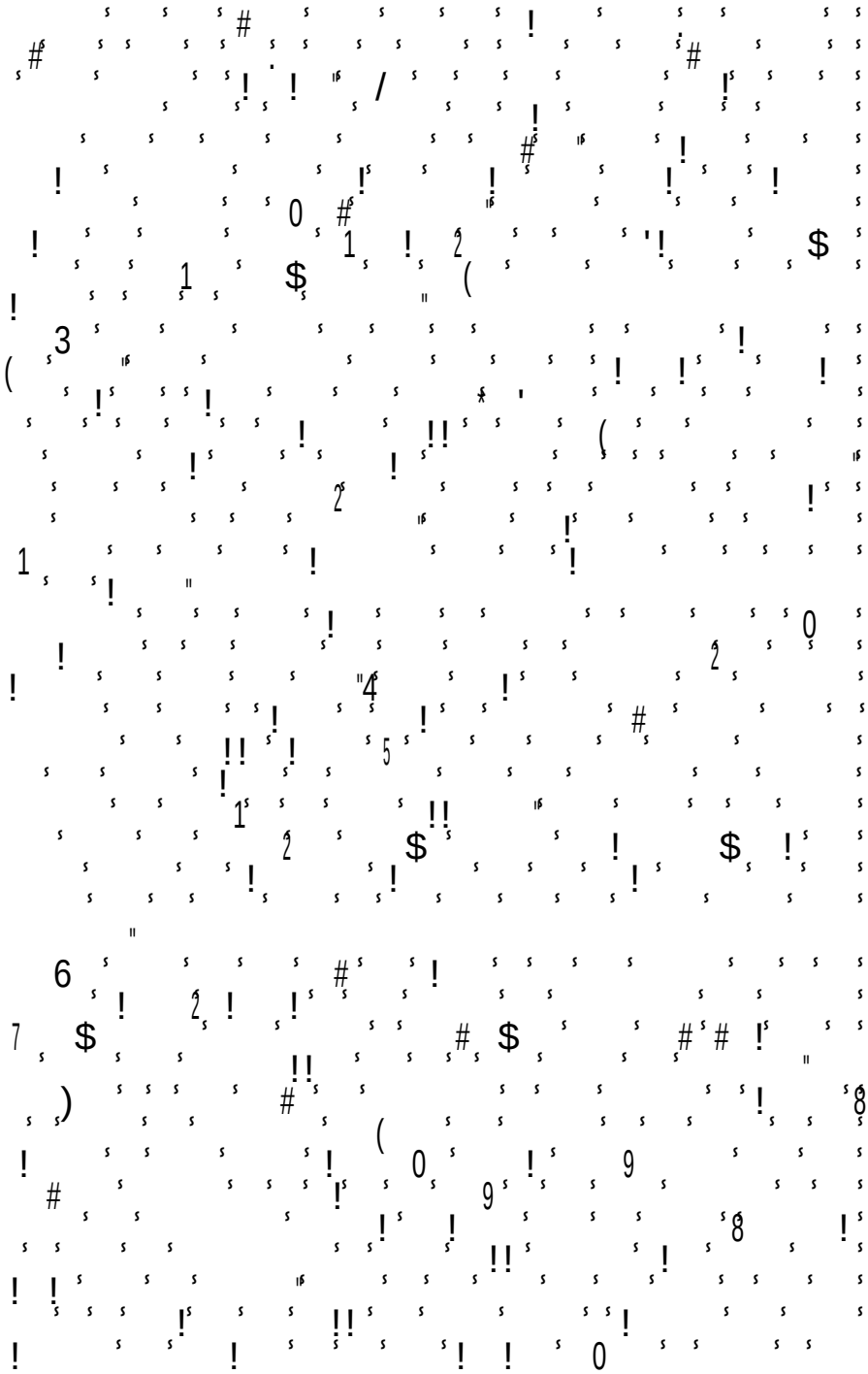
9/. /* /2, / <3<0, -, . /0, 5 .3 <330 . 8/5 : 1+*129. , -, 9, 5 : 30, + 3* .9, =3/-+ /*+ 9)*2, -5/.1541, + 8, <3)7+ .)-*1* */*);;, - +, * 8, -, .83 /7<3?, 5 81.9 =, +5 3- -/.9, - 5.3*, 7, +2, 5 3-+1*/-17>)5, + =>. 9, 4/: 17> /*+ 891<9 8, -, /5512*, + .3)5 .9, 7)<07, 55 3 % => 73. 9/?1*2 .3 : /0, 5914. D1* ;-, 4, -, *<, .3 57, , ;1*2 3* / 417.9> 4733- 81.9 .9-, , <-/*0> ./=7, 5 34?/->1*2 9, 129.5 /*+ 8935,)*1., + 7, *2.95 ;-3?, + / 433. .33 593-. /. , 1.9, - , *+ X

9 .9, E3> 34 .9, : 3-*1*2 5 +/8* /*+ +, 71<13)5 4-, 59*, 55 34 .9, : 3)*./1* /1- /5 8, .)-*, + 3)./ /. 41?, 3 <73<0 43- >, . /*3.9, - ., *7, /2), 5;, 77 .3 3)- *, C. +, 5.1*/.13* 83 *129.5 7/., - 8, 57, ;. 1* .9, 217+, + 7)C)-> 34 # /+-1+ X). 938 8, /=)5, + 3)- ;-, ?13)5 *, 27, <. 1* *3. 9/?1*2 =-3)29. / </ : ; 3).41.

9, /=3?, 938, ?, - ;-, 5, *.5 .9, 2733 : 1, - 51+, 34 .9, ;1<.)-, /*+ .9, -, 15 / -, ?, -5, , ?, * 1* < , </**3. =, .., - +, 5<-1=, .9, 7/.., - 51+, .9/* 1* 3)- 38* 83-+5 4-3 : VA





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' * 129 . 5' /' 53 - .' 34' -) + ,' ? / 75 ,' 15' + / * <, +' 1*' . 9 ,' 3 ; , *' 5. - , , .

both friendship and protection if required. Nor is there a pleasanter means of forming acquaintance with Spanish country life and customs than a few evenings spent thus at a farm-house or village inn in any retired district of laughter-loving Andalucia.

For rough living we are of course prepared, and accept the necessity without demur or second thought while travelling. But when more serious objects are in hand—say big-game or the study of nature, objects which demand more leisurely progress, or actually encamping for a week or more at selected points—then we prefer to assure complete independence of all local assistance and shelter.

TYPES OF SPANISH BIRD-LIFE

SERIN (*Serinus hortulanus*)

A true European canary, but its song is harsh and hissing.

An expedition on this scale involves an amount of care and forethought that only those who have experienced it would credit. For in Spain it is an unknown undertaking, and to engineer something new is always difficult. Quite an extensive camping-trip can be organised in Africa, where the system is understood, with less than a hundredth part of the care needed for a comparatively short trip in Spain where it is not. The necessary bulk of camp-outfit and equipment requires a considerable cavalcade, and this mule-transport (since no provender is obtainable in the country) involves carrying along all the food for the animals—the heaviest item of all. Naturally the cost of such expeditions works out to nearly double that of simple riding.

But, after all, it is worth it! Compare some of the miseries we have above but lightly touched upon—the dirt and squalor, the nameless horrors of *choza* or *posada*—with the sense of joyous exhilaration felt when encamped by the banks of some babbling trout-stream or in the glorious freedom of the open hill. Casting back in mental reverie over a lengthening vista of years, we certainly count as among the happiest days of life those spent

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A Note on the Spanish Fauna

After all, it is less with the human element that this book is concerned than with the wild Fauna of Spain; a brief introductory notice thereof cannot, therefore, be omitted.

As head of the list must stand the Spanish Ibex (*Capra hispánica*), a game-animal of quite first rank, peculiar to the Iberian Peninsula, and whose nearest relative—the Bharal (*Capra cylindricornis*)—lives 2500 miles away in the far Caucasus. In Spain the ibex inhabits six great mountain-ranges, each covering

BONELLI'S EAGLE (*Aquila bonellii*)
A pair disturbed at their eyrie.

a vast area but all widely separated. After a crisis that five years ago threatened extermination, this grand species is now happily increasing under a measure of protection and the ægis of King Alfonso. Next—a notable neighbour of the ibex (and practically extinct in central Europe)—we place the lone and lordly Lammergeyer. A memorable spectacle it is to watch the huge *Gypaëtus* sweeping through space o'er glens and corries of the sierra in striking similitude to some weird flying dragon of Miocene age—a vision of blood-red irides set on a cruel head with bristly black beard, of hoary grey plumage and golden breast. Watch him for half an hour—for half a day—yet never will you discern a sign

of force exerted by those 3-yard pinions. With slightly reflexed wings he sinks 1000 feet; then, shifting course, rises 2000, 3000 feet till lost to sight over some appalling skyline. You have seen the long cuneate tail deflected ever so slightly—more gently than a well-handled helm—but the wide lavender wings remain rigid, not an effort that indicates force have you descried. Yet the power (so defined as "horse-power") required to raise a dead-

TYPES OF SPANISH BIRD-LIFE

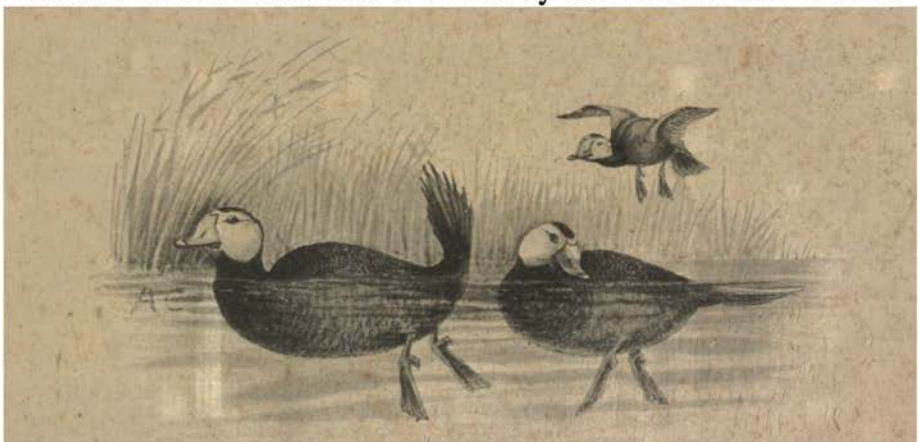
BLACK VULTURE (*Vultur monachus*)

Nests in the mountain-forests of Central Spain, and winters in Andalucia. Sketched in Coto Doñana—"Getting under way."

weight of 20 lbs. through such altitudes can be calculated by engineers to a nicety—how is it exerted? That the power is there is conspicuous enough, and at least it serves to explain fabled traditions of giant lammergeyers hurling ibex-hunter from perilous hand-hold on the crag, to feast on the remains below; or, in idler moment, bearing off untended babes to their eyries—alas! that the duty of nature-students involves dissipating all such romance.

Spain, as geologically designed, being, as to one-half of her

superficies, either a desert wilderness or a mountain solitude, naturally lends congenial conditions of life to the predatory forms that rely on hooked bill, on tooth and claw, fang and talon, to ravage their more gentle neighbours. Savage raptores, furred and feathered, characterise her wilder scenes. Wherever one may travel, a day's ride will surely reveal huge vultures and eagles circling aloft, intent on blood. Throughout the wooded plains the majestic Imperial Eagle is overlord—you know him afar in sable uniform, offset by snow-white epaulets. Among the sierras a like condominium is shared by the Golden and Bonelli's



TYPES OF SPANISH BIRD-LIFE

WHITE-FACED DUCK (*Erismatura leucocephala*)

Bill much dilated, waxy-blue in colour. Wings extremely short; a sheeny grebe-like plumage, and long stiff tail, often carried erect.

Eagles—and they have half-a-dozen rivals, to say nothing of lynxes and fierce wolves (we give a photo of one, the gape of whose jaws exceeds by one-half that of an African hyaena). Then there patrol the wastes a horde of savage night-rovers, denominated in Spanish *Alimañas*, to which a special chapter is devoted.

In Estremadura, where man is a negligible quantity, and along the wild wooded valley of the Tagus, roams the Fallow-deer in aboriginal purity of blood—whether any other European country can so claim it, the authors have been unable to ascertain. In Cantabria and the Pyrenees the Chamois abounds.

Of the big game (the list includes red, roe, and fallow-deer,

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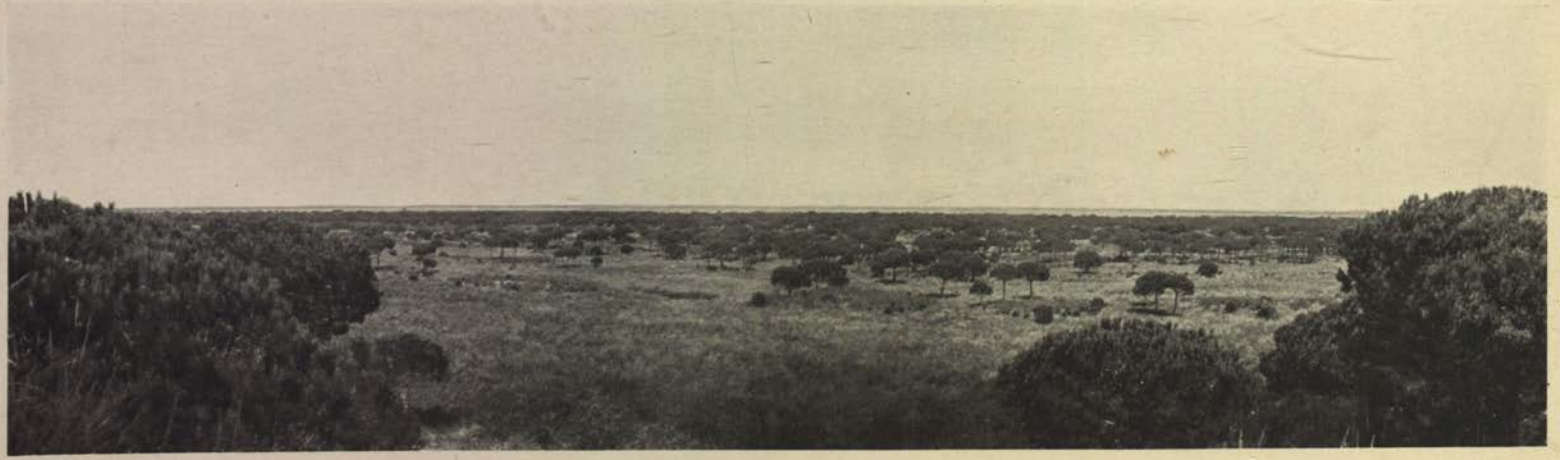
Sand Waste in Coto Donana.



Landscape in Coto Doñana, with Marisma in background.

From photographs by H.R.H. Philippe, Duke of Orleans.

distant Ronda mountains seen through a framework of stone-pines, across seventy miles of sandy dunes, marismas, and intervening plains. After a couple of hours we skirt the famous sandhills, innocent of the slightest dash of green, which for some inscrutable reason attract, morning after morning, at the first tinge of dawn, countless greylag geese to their barren expanse and on which, *si Dios quiere*, toll shall be levied ere long. The marismas and long lagoons are covered here and there with

SPANISH IMPERIAL EAGLE

black patches crawling with myriads of waterfowl, to be described after supper by the careful Vazquez as *muy pocos, un salpicon*—a mere sprinkling. Their names and habits, are they not written, with the most competent of pens, in this very volume? We stop, perhaps, for a first deer-drive on our line of march. How thrilling that sudden rustle in the brushwood! Stag is it, or hind, or grisly porker? As we approach the "Palacio" we see the spreading oak on which perched, contemptuous and unsuspecting, the imperial eagle, honoured this year by a bullet from King Alfonso's unerring rifle. As we

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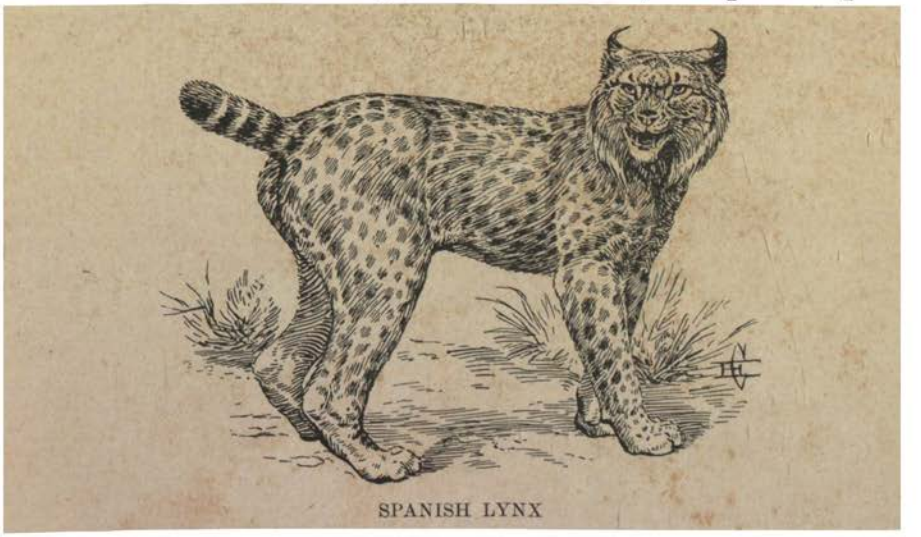
EGRET-HERONRY AT SANTOLALLA, COTO DOÑANA.

(THE FOREGROUND IS SAND.)

FROM PHOTOGRAPHS BY H.R.H. PHILIPPE, DUKE OF ORLEANS.

through the crystal air? All the keener is the joy when, with heavy thump, your first goose is landed on the sand amid the tin decoys. When three or four lie there, Vazquez will send his fleet two-legged "water-dog" to set them up with twigs supporting their bills, to beguile more of their kind into line with the barrels. If the day be propitious, the sky will be dotted at times with geese in all directions. Now and again they will give you a shot, the expert taking surely three or four to the tyro's one. It is half-past eight, and you have sat in your hole close on two hours before Vazquez comes to gather the slain, to which he will add two or three more, marked down afar, and picked up as



SPANISH LYNX

dead as the rest. Never have two of your waking hours passed so quickly. What would you not give to live them over again and undo some of those inexplicable misses? But one goose alone would amply repay that early start. Even four or five are all you can carry, and the twenty or thirty that our expert [who must be nameless] would have shot, will live to stock the world afresh.

Among the fauna of the Coto Doñana, a word must be given to the lynx. Never can I forget sitting one afternoon, Paradox in hand, on the fringe of a covert. I was waiting for stag, rather drowsily, for the beat was a long one and the sun hot, when my eyes suddenly rested on a lynx standing broadside among the bushes, beyond a bare belt of sand, some fifty yards off. Fain would I have changed my bullet for slugs, but those

sharp ears would have detected the slightest click; so I loosed my bullet for what it was worth.

The lynx was gone. When the beat came at last to an end, I thought I would just have a look at his tracks. He lay stone-dead behind a bush, shot through the heart.

The eventful days are all too soon over. But the recollection remains of happy companionship and varying adventure, of easy intercourse between Spaniard and Englishman, with the echo of many a sporting tale, mingled with sage discourse from qualified lips on the habits of bird and beast. Who can tell you more about them than that group of true sportsmen and lovers of nature whose names, Garvey, Buck, Gonzalez, and Chapman, are indissolubly linked with the more modern history of the famous Coto Doñana?

MAURICE DE BUNSEN.

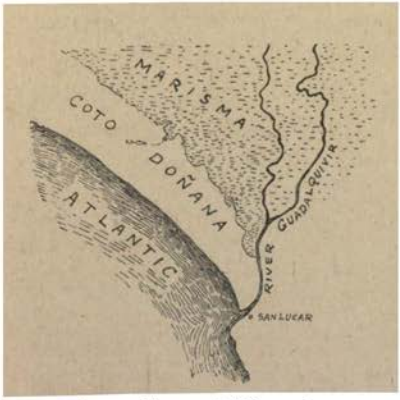
BRITISH EMBASSY, MADRID,
July 1910.

GREENSHANK (*Totanus canescens*)

CHAPTER IV

THE COTO DOÑANA

NOTES ON ITS PHYSICAL FORMATION, FAUNA, AND RED DEER



THE great river Guadalquivir, dividing in its oblique course seawards into double channels and finally swerving, as though reluctant to lose all identity in the infinite Atlantic, practically cuts off from the Spanish mainland a triangular region, some forty miles of waste and wilderness, an isolated desert, singular as it is beautiful, which we now endeavour to describe. This, from our having for many years held the rights of chase, we can at least undertake with knowledge and affection.

Its precise geological formation 'twere beyond our power, unskilled in that science, to diagnose. But even to untaught eye, the existence of the whole area is obviously due to an age-long conflict waged between two Powers—the great river from within, the greater ocean without. The Guadalquivir, draining the distant mountains of Moréna and full 200 miles of intervening plain, rolls down a tawny flood charged with yellow mud till its colour resembles *café au lait*. Thus proceeds a ceaseless deposit of sediment upon the sea-bed; but the external Power forcibly opposes such infringement of its area. Here the elemental battle is joined. The river has so far prevailed as to have grabbed from the sea many hundred square miles of alluvial plain, that known as the marisma; but at this precise epoch, the Sea-Power appears to have called checkmate by interposing a vast barrier of sand along the whole battle-front. The net result

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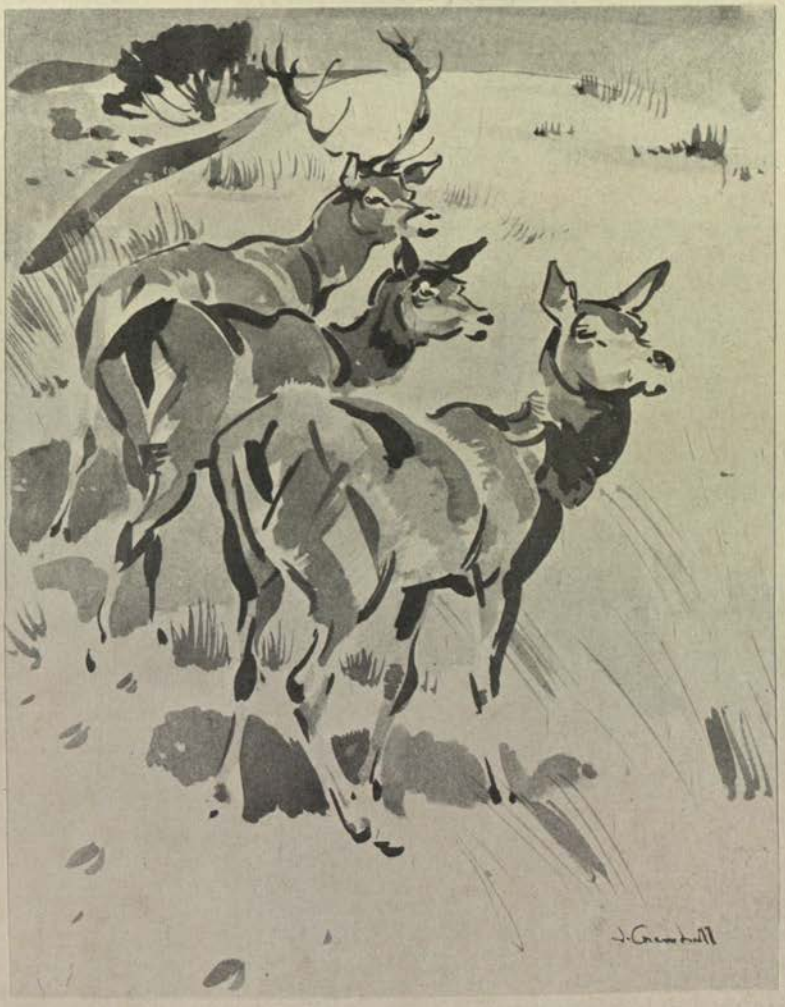

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(*vaqueros*) who tend the wild-bred cattle and horses that in semi-feral condition wander both in the regions of scrub and out in the open marisma. Nomadic charcoal-burners squat in the forests, shifting their reed-built wigwams (*chozas*) as the exigencies of work require; while the gathering of pine-cones yields a precarious living to a handful of *piñoneros*. Lastly, but most important to us, there are the guardas or keepers, keen-eyed, leather-clad, and sun-bronzed to the hue of Red Indians. There are a dozen of these wild men distributed at salient points of the Coto, most of them belonging to families which have held these posts, sons succeeding fathers, for generations. Of three such cycles we have ourselves already been witnesses.

Briefly to summarise a rich and heterogeneous fauna is not easy; a volume might be devoted to this region alone. Elsewhere in this book some few subjects are treated in detail. Here we merely attempt an outline sketch.

MARSH-HARRIER (*Circus æruginosus*)

Throughout the winter (excepting only the wildfowl) there exists no such conspicuous ornithic display as appeals to casual eye or ear—those, say, of the average traveller. Ride far and wide through these wild landscapes in December or January, and you may wonder if their oft-boasted wealth of bird-life be not exaggerated. You see, perhaps, little beyond the ubiquitous birds-of-prey. These are ever the first feature to strike a stranger. Great eagles, soaring in eccentric circles, hunt the cistus-clad plain; the wild scream of the kite rings out above the pines, and shapely buzzards adorn some dead tree. Over rush-girt bogs soar weird marsh-harriers—three flaps and a drift as, with piercing sight, they scan each tuft and miss not so much as a frog or a wounded wigeon. All these and others of their race are naturally conspicuous. But, though unseen, there lurk all around other forms of equal beauty and interest, abundant enough, but secretive and apt to be overlooked save by closest scrutiny. That, how-

ever, is a characteristic of winter in all temperate lands. Birds at that season are apt to be silent and elusive, but their absence is apparent rather than real.

"SILENT SONGSTERS"

All around you, in fact, forest and jungle, scrub, sallow, and bramble-brake abound with minor bird-forms—with our British summer visitors, here settled down in their winter quarters; with charming exotic warblers and silent songsters—all off work for the season. Where nodding bulrush fringes quaking bog, or miles of tasselled cane-brakes border the marsh, there is the home of infinite feathered amphibians, crakes and rails, of reed-climbers and bush-skulkers, all for the nonce silent, shy, reclusive.

BLACKSTART (*Ruticilla titys*)
Abundant in winter; retires to the sierra to nest.

Their portraits, roughly caught during hours of patient waiting,

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(1) SAHARAN SAND-DUNES.

(2) TRANSPORT

(3) A CORRAL, OR PINE-WOOD ENCLOSED BY SAND.

THREE VIEWS IN COTO DOÑANA.

—there pours into Andalucia an inrush of African and sub-tropical bird-forms. The sunlit woodland gleams with brilliant rollers and golden orioles, while bee-eaters, rivalling the rainbow in gorgeous hues, poise and dart in the sunshine, and their harsh "chack, chack," resounds on every side. Woodchats, spotted cuckoos, hoopoes, and russet nightjars appear; lovely wheatears in cream and black adorn the palm-clad plain. With them comes the deluge—no epitomised summary is possible when, within brief limits, the whole feathered population of southern Europe is metamorphosed. The winter half has gone north; its place is filled by the tropical inrush aforesaid. Warblers and waders, larks, finches, and fly-catchers, herons, ibis, ducks, gulls, and terns—all orders and genera pour in promiscuously, defying cursory analysis.

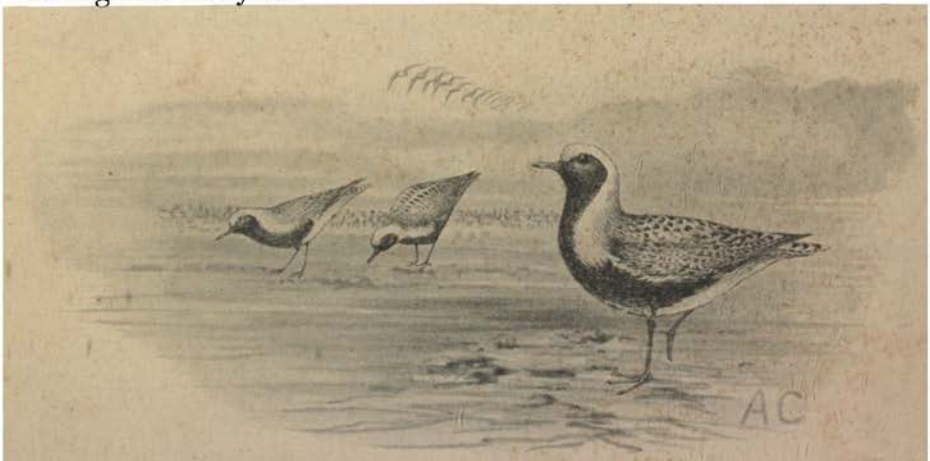
GREAT SPOTTED CUCKOO (*Oxylophus glandarius*)

A single class only will here be specifically mentioned, and that because it throws light on climatic conditions. Among these vernal arrivals come certain raptores in countless numbers—all those which are dependent on reptile and insect food. For even in sunny Andalucia the larger reptiles and insects hibernate; hence their persecutors (including various eagles, buzzards, and harriers, with kites and kestrels in thousands) are driven to seek winter-quarters in Africa.

Another phenomenon deserves note. Weeks, nay months, after this great vernal upturn in bird-life has completed its revolution, and when the newcomers have already half finished the duties of incubation, then in May suddenly occurs an utterly belated little migration quite disconnected from all the rest. This is the passage, or rather through-transit, of those far-flying cosmopolites of space that make the whole world their home. They have been wintering in South Africa and Madagascar, in

Australia and New Zealand, and are now returning to their summer breeding-grounds in farthest Siberia, beyond the Yenisei. Thus some morning in early May one sees the marismas filled with godwits and knots, curlew-sandpipers and grey plovers, all in their glorious summer-plumage. But these only tarry here a few days. A short week before they had thronged the shores of the southern hemisphere—far beyond the zodiac of Capricorn. A week hence and they are at home in the Arctic.

Andalucia possesses a feathered census that approaches 400 species; but of these hardly a score are permanently resident throughout the year.



"GLOBE-SPANNERS"

Rest twelve hours in Spain on the journey—Australia to Siberia.

Four-footed creatures are less difficult of diagnosis than are birds. By nature less mobile, they are infinitely less numerous specifically. Relatively the Spanish census is long, and includes, locally, quite a number of interesting beasts that are "lumped together" as *Alimañas*—to wit, lynxes, wild-cats, genets, mongoose, foxes, otters, badgers, of which we treat separately. The two chief game-animals of the Coto Doñana are the red deer and the wild-boar. These two we here examine from the sportsman's point of view as much as from that of the naturalist.

The Spanish red deer are specifically identical with those of Scotland and the rest of Europe, and are distributed over the whole southern half of the Iberian Peninsula—say south of a line drawn through Madrid. Their haunts, as a rule, are restricted to the mountain-ranges—especially the Sierra Moréna, where they

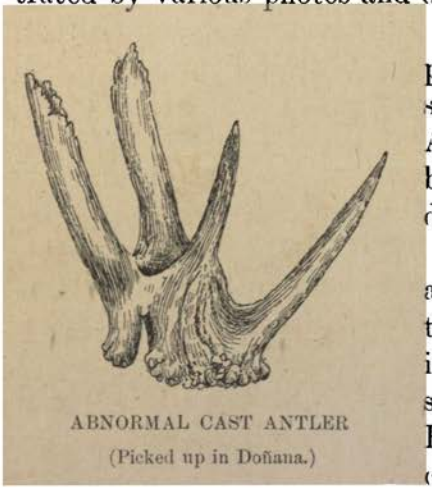
attain their highest development. That red deer should be found inhabiting lowlands such as the Coto Doñana is wholly exceptional. In Estremadura, it is true, there are wild regions (in Badajoz and Cáceres) where deer are spread far and wide over wooded and scrub-clad plains, all these, however, being subjacent to neighbouring sierras, which refuges are available for retreat in case of need. Nowhere else in Spain, save here in the Coto Doñana only, are red deer restricted exclusively to lowlands.

CONFIDENCE

This South-Spanish race (the southernmost of all if we except the distinct but limited breed that yet maintains a foothold in North Africa, the Barbary stag, which is white-spotted) differs from Scotch types in their longer faces and slim necks unadorned with the hairy "ruff" of harsher climes. Beyond a doubt, when our species-splitting friends arrive in Spain, they will differentiate her red deer (and ibex also) in various species or subspecies, each with a Latin trinomial. Such energies, however, may easily be

superfluous, even where not actually mischievous. For practical purposes there exists but one European species, though it has, even within Spain, its local varieties; while, further afield, geographical and climatic divergencies naturally tend to increase.[1]

We cannot claim for our lowland deer of Doñana a high standard of comparative quality; they are, in fact, the smallest race in Spain, almost puny as compared with her mountain breed —smaller also than the Barbary stag. Clean weights here rarely exceed 200 lbs., while a 30-in. head must be accounted beyond the average. The general type, both of horn and body, is illustrated by various photos and drawings in this book.



ABNORMAL CAST ANTLER
(Picked up in Doñana.)

Deer-shooting in Spain takes place in the winter. The rutting season commences at the end of August, terminating early in October, and stags have recovered condition by the end of November.

The habits of red deer being, here as elsewhere, strictly nocturnal, and the country densely clad with bush, it follows that these animals are seldom seen amove during daylight. Hence deer-stalking, properly so called, is not available, nor is the method much esteemed in Spain. In Scotland one may detect deer, though it be but a tip of an antler, when couched in the tallest heather or fern. Here, where heather grows six or eight feet in height with a bewildering jumble of other shrubbery of like proportions, no such view is possible. Hence "driving" is in Spain the usual method of deer-shooting, whether in mountain or lowland.

There is, nevertheless, one opportunity of stalking which (though not regarded with favour) has yet afforded us delightful mornings, and to which a few lines of description are due. The plan is based upon cutting-out the deer as they return from their

[1] No offence to our scientific friends aforesaid. We recognise their argument and respect its thoroughness, though regarding it as occasionally misdirected. Possibly in their splendid zeal they overlook the danger of reducing scientific classification to a mere monopoly confined to a few score of professors, specialists, and cabinet-naturalists, instead of serving as an aid and general guide (as is surely its true intention) to thousands of less learned students. Over-elaboration is apt to beget chaos.

nocturnal pasturages at daybreak. As the last watch of night wears on towards the dawn, the deer, withdrawing from their feeding-grounds on open strath or marsh, slowly direct a course covertwards, lingering here and there to nibble a tempting genista, or to snatch up a bunch of red bog-grass on their course. We have reached a favourite glade, often used by deer. It is not yet light—rather it might be described as nearly dark—when the splashing of light hoofs through water puts us on the alert. A few moments suffice to gain a bushy point beyond; whence presently six or eight nebulous forms emerge from deceitful gloom. Of course there is not a horn among them, bar a little yearling, for good stags never come thus in troops, and with all due caution, so as to avoid alarming these, we hurry away to try another likely spot. Time is of the essence of this business, for light is now strengthening, and in another half-hour the deer will all have gained their coverts and the chance will be past. Again groups of hinds and small beasties meet our gaze; but some distance beyond are a couple of stags. It is light enough now, by aid of the glass, to count their points—only eight apiece, no use. While yet we watch, a pack of graceful white egrets alight close around the nearer deer—some dart actively between the grazing animals picking flies and insects from their legs and stomachs; two actually perching, cavalier-like, on their withers to search for ticks—magpies, on occasion, we have observed similarly employed. The sun's rim now peers from out the watery wastes in front; nothing worth a bullet has appeared, and our morning's work looks as good as lost when my companion, Pepe, detects two really good stags which, though already within the shelter of fringing pines, yet linger in a lovely glade, tempted for fatal minutes by a clump of flowering rosemary. The wind demands a considerable detour; yet the pair still dally while we gain the deadly range, and a second later the better of the two drops amidst the ensnaring blue blossoms. Pepe's half-soliloquising comment precisely interprets the Spanish estimate

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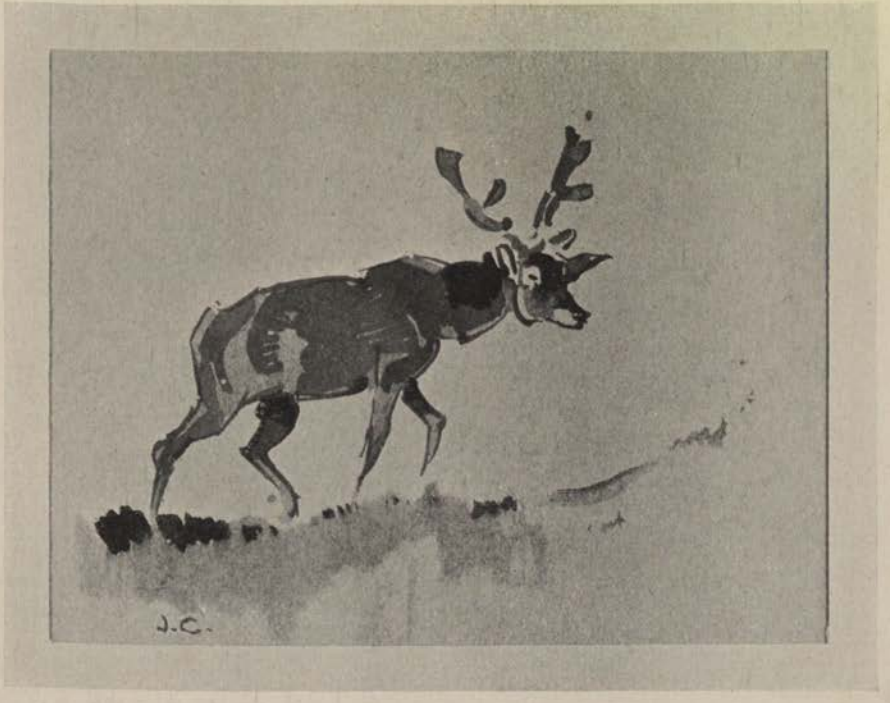
April.



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9/?, ' 23*, ')*+,-' 3)-' 81*+' /*+' *38' ' ' ' .9,' 7/*+5</;,' 15' ?/</*.

G' 1*+5' 3*7>' =/-0' /.' /' B' -,*E/-05' 3:1*2),I' /5' 8,' .)-*' 93:,8/-+5' G'*,?,-' /.' /*>' 3.9,-' 5' 9,' 5./2' 0*,8' .9/.' .33').' 1.' 8/5' /' <)-13)5' 8/>' 34';)..1*2' 1.

' ,' /-,' .33' ,/-7>B 1.' 15' 5.177' ;1.<9+/-0B *3' 512*' 34' +/8*' =,>3*+' /' 57129.' 3;/7,5<,*<,' 738' 3*' .9,' ,/5.,-*' 93-113*' #3-,3?,-' /*' 1<>' 81*+' -)5.7,5' /<-355' .9,' 8/5.,' /*+' 43-' +-,/->' :1*).,5' 8,' 5,,0' 59,7.,-' 56)/..1*2' =,*,/.9' 53:,' 4-1,*+7>' 23-5,' -,5,*.7>' /' 5.-/*2,' 53)*+A /' +15.1*<.' <9/:;1*2' /*+' <735,' =>A' 5.-10,5' 3)-' ,/-5' G' *' E/?/.3' <3:1,*+3'H'd'G'/' =3/-' 4,,+1*2H' 8915;,-5' 3:1*2),I' /*+' <-,,;1*2' /' 4,8' >/-+5' .38/-+5' /*' 3;,*' 5.-/.9' 8,' +1:7>' +,5<->' /' +4750>' :3*5.,*' .' .9,' :3:,*.' 915' 5*3).' 15' =)-1,+',,;'1*' .9,' 5317');' .3' .9,',>,5' /*+' .9,'.-,:,*+3)5' :)5<)7/-' ;38,-' ,C,-.,+' 1*');-33.1*2' =)7=5' 34' ;/7:,..3' /--,5.5' /..,*.13*' ,?,*' 1*' .9,' 6)/-.,-7129.' 38' 9,' 5./*+5' 6)1,5<,*.' 9,/+');' /*+' .9,' <9/:;1*2' 15' -,5):,+A /' -/-,' 5<,*,' 9,' +15./*<,' 15' /' =/-,' 414.,,*' >/-+5' /*+' /77' .9,' 8917,' :>' <3:;/*13*' 1*515.5' 3*' 91551*2' 1*' :>',/-' G'.1-,73' .1-73'H'd'G'5933.' 5933.H' -,5,*.7>');' 23,5' .9,' =3/-5' :)117,B 5.-/129.' /*+' 5.,/+4/5.7>' 9,' 2/1,5' 1*' 3)-' +1-,<.13*' =).' 915' 27/*<,' 5,,:,+' .3' ;/55' 9129' 3?,-' 3)-' 9,/+5' ' +3*.' .91*0' 9,' 5/8')5B >,.' /' <3*5<13)5*,55' 34' +/*2,-' 9/+' 23.' 93:,A 1*' .83'=3)*+5' 9,' 89,,7,+' /*+' +15/;;,/-,+' 9,/+73*2' /:1+' .9,' =)59' =,>3*+

' ' ' /-' /*+' 81+,' .9,' =350>' 27/+,' 15' 4)--38,+' 81.9' 51*)3)5' .-,*<9,5' /*+' 1*41*1.,' .)--,.5' 5./*+' ,-,<.' /5' 89,-,' <917+-,*' =)17+' 5/*+</5.7,5' 3*' .9,' =,/<9' /5.' *129.' /' .-33;' 34' 817+;12' 9/?,' 53)29.' 9,-,' 43-' :37,<-1<0,.5A 5:/77' 4->' 3*,' :/>' .91*0' B >,.',?,*' 83-:5' .9,>' +3*.',+,5;15,' 43-' 8,' 9/?,' 5,,*' :/55,5' 34' .9,5,'-,;.17,5' D53:,' 5.177' /71?,' 1*' .9,' 5.3:/<9' 34' /' *,87> 593.' =3/-' 37738' .9,' 5;33-' 3*8/-+5' /*+' 89,-,' 1.',*.,-5' /;1*,2-3?,' >3)' *3.1<,' 5;71*.,-,+' <3*,5' /*+' 5</.,-,+' 5,,+' 9)5' 817+=,/5.5' /-,' /5515.@ 1*2' .3' 4)7417' */.)-,5';7/*' /*+' 14' >3)' </-,' .3' /+?/*<,' 1.' /*3.9,-' 5./2,' .)-*' 53:,' 5317' 3?,-' .935,' 3?,-7330,+';1*,*).5' /*+' 53:,' +/>' 43-,5.:3*/-<95' 8177' -,5)7.' .3' -,8/-+' /*3.9,-' 2,*,-/.13*

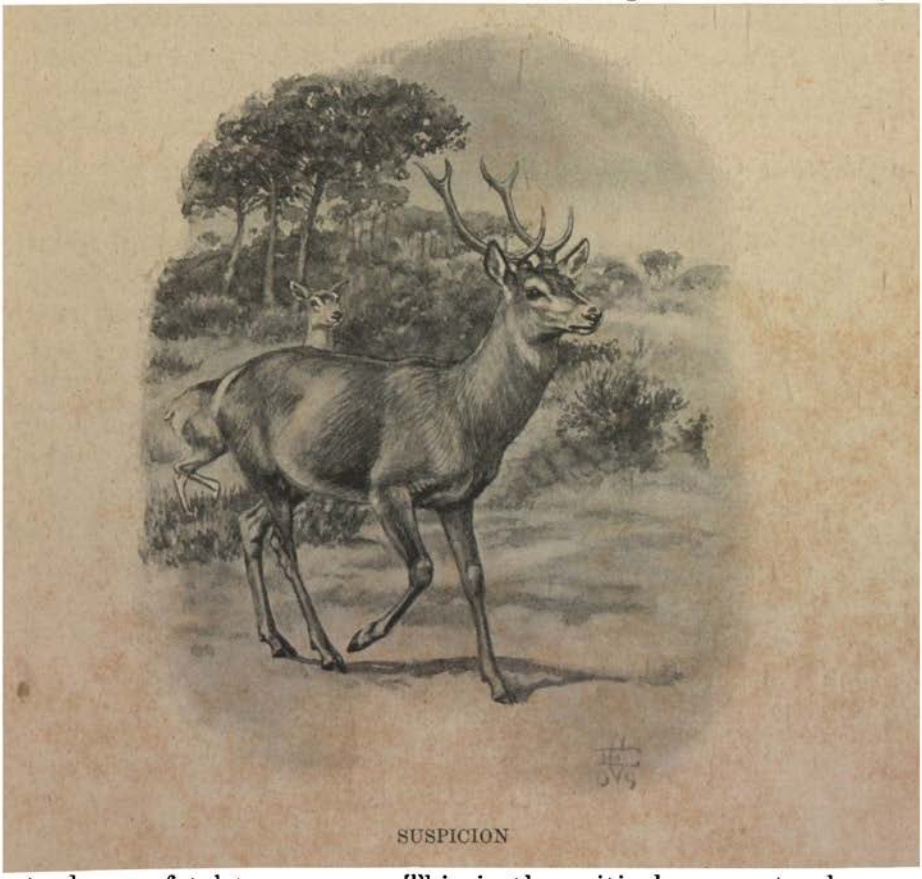
)<9' :/.).1*/7' 43-/>5' /-,' 938,?,-' =).' /*' 1*<1+,*.' 9,' :/1*' 5>5.,:' 34' +,/71*2' 81.9' .9,' +,,-' 15' =>' +-1?1*2' 3-' .915' ;)-;35,' =3.9' .9,' 4-/2-/*.' 5371.)+,5' 34';1*,' /*+' 4/-5.-,.<9,+' 817+5' 34' =,*+1*2' <15.)5' /-,' :,*./77>' :/;;,+' 3).' =>' .9,' 43-,5.2)/-+5

1*.3 +,41*1.,G=,/.5H ,/<9 34 891<9 9/5 1.5 38*/:,B .93)29 .3 /<5)/7 ?151.3-D51*<,2)*5 /-,*,<,55/-17> ;7/<,+ +144,-,*.7> +/> => +/> /<<3-+1*2 .3 .9,81*+ .9,/<.)/7 =3)*+/-1,5 :/> /;;,/-1*+,41*1.,,*3)29

7387/+5 5)<9 /5 .9, $3.3 3*/*/ 891<9 15 :3-,3-7,55 7,?,7/*+3;,*.9,)5,34 4/--/*21*2 -147,5 15 *,<,55/-17>-,5.-1<.,+ =><3*51+,-/.13*5 34 5/4,.> =?13)57>*3 593.3*/*>;-,.,C. 89/.,?,-:/> =,41-,+ ,1.9,-1*.3 .9,=,/.3-)*.17 .9,2/:, 9/5 ;/55,+<7,/-34 /*+8 ,77 3).51+, .9,71*, 34 2)*5 *,?,-> 1*5./*<,/5 /2)*15 ;7/<,+ .9,0,,;,-1*<9/-2,1*+1</.,5 => 71*,5 +-/8*1* .9,5/*+3-3.9,-)*:15./0/=7,:,/*5 .9,71:1.5 81.91* 891<9 5933.1*2 15 /=537).,7>;-391=1.,+ 9,-,5)7.1. 4377385 *3.3*7>1*<-,/5,5 .9,;-35;,<.1?, +1441<)7.> 34 .9,593. =).21?,5 4)77,-5<3;,.3 .9,1*5.1*<.1?,1*.,7712,*<,34 .9,2/:, 3-+,,-)*710,53:,81*2,+2/:,+3 *3.89,* +-1?,*+/59 ;-,<1;1./.,7> 5.-/129.43-177)53-> 5/4,.>=).-,.1-,57387> /*+ 81.9 ,C.-,:, <1-<):5;,<.13*B /77 37+5./25 1* ;/-.1<)7/-4)77> /*.1<1;/.,91++,* +/*2,-5 .3 71, 3* .9,1-71*,34 47129. /*+ */--387> 5<-).1*15, /*> 5)5;1<13)5 4,/.)-,/9,/+ =,43-,./01*2 -1505 9,2)**,-c?177 .9,-,43-,=,815, .3 3<<);> .9,4,8 :1*).,5 .9/.-,:/1* /?/17/=7,1* 53 /--/*21*2 =3.9 91:5,74 /*+ 915 ;35./5 .3 =,1*<3*5;1<)3)5B /*+ /753 1* /* /<<)-/.,5)-?,> 34 915 ,*?1-3*:,*.81.9 1.5 ;-3=/=7,<9/*<,5 .9,-,=> :1*1:151*2 .9,+/*2,-34 =,1*2./0,* =>5)-;-15, 9,<)**1*2 +15;7/>,+ => /* 37+5./2 89,*,*+,/?3)-1*2 .3 ,?/+,/ 71*,34 2)*5 /.:1:,5 /;;-3/<9,5 .9, :/-?,773)5 9)5 3* 3*,3<</513* .9,8-1.,- 8/5 8/-*,+ 34 .9,*,/-/;;-3/<9 34 2/:,=> /51*27,G<71*0HA /*315, 891<9 +,,-53:,.1:,5 :/0, ;-3=/=7>)*1*.,*.13*/77> 81.9 .9,43-, 9334A>,.5,<3*+5 ,7/;5,+ /*+ *,1.9,-5129. *3-53)*+ 8,-,?3)<95/4,+ 9,* .9,57129.,5. 6)1?,-34 /=3)29 =,*,/.9</)29. :>,>, =12 5./2 81.9 /*.7,-5 7/1+47/./=/<0 /*+<-3)<91*2 .3 9/74 915)5)/7 9,129. .93)29 231*2 4/1-7> 4/5. 8/5 571;;1*2 517,*./*+ 1*?151=7, .9-3)29 .91<0 =).738 =-)59@ 833+ 1:,+1/.,7>=,*,/.9 .9,71..7, 91773<0 89,-,3* 7/> *,C/:1*1*2 .9, 5;3. .9, 5;33- 5938,+ .9/. 9,9/+ ;/55,+ .9)5 .9-3)29 3;,*1*25=/-,7>,C<,,+1*2 .83 4,,. 1* 9,129. .93)29 9, 5.33+ 91:5,74 43-.> 51C 1*<9,5 /. .9, 81.9,-5 9, 4,/./;;,/-,+ 1:;3551=7,R

,9/?,0*38*.9,5;33-34 /83)*+,+ 5./2 ;/55=,*,/.9 5.-3*21*.,-7/<1*2=-/*<9,5 5373 8.9/.1*43773 81*2 8,9/?,9/+ .3 8-1227,)*+,- 3*9/*+5 /*+ 0*,,5 9,5;3DE- 5938,+ .9,-,9/+=,,*3 5)<9<,-?1*,*,<,551.>

In thick forest or brushwood that limits the view it may be advisable to sit with back towards the beat, relying on ears to indicate the approach or movements of game. While sitting thus, it will occur that you become aware of the arrival of an animal, or of several animals, immediately behind you. The natural inclination to look round is strong; but 'twere folly



SUSPICION

to do so—fatal to success. This is the critical moment, when a few seconds of rigid stillness will be rewarded by a shot in the open. But that stillness must be statuesque, as of a stone god. For piercing eyes are instantly studying each bush and bough, and analysing at close quarters the least symptom of danger ahead.

Should a good stag break fairly near, it is advisable to allow it to pass well away before moving a muscle. For should the game be prematurely alarmed—say by your missing exactly upon the firing-line, or otherwise by its detecting your movement of preparation—that stag will instantly bounce back again into the

□# $%&' (‘ %!)#

=,/.‘ 9,*‘/55):1*2‘.9/.‘.9,‘5;3-.5:/*‘15‘/‘.>-3‘3-‘5)=E,<.‘.3‘G‘,:3.13*5‘H‘3-‘=)<0 4,?,-‘.9,-,‘15‘+/*2,-‘34‘915‘43-2,..1*2‘43-‘3*,‘ :3:,*.‘915‘;-,<15,‘;,-:1..,+‘71*,‘34‘41-,‘B 1*‘891<9‘</5,‘/‘;,-173)5‘ 593.‘:)5.‘-,5)7.‘ *<,‘/7738,+‘.3‘;/55‘= ‘ ‘.9,‘5./2‘ 8177‘)5)/77>‘<3*.1*),‘3*‘915‘<3)-5,

‘.915‘/5‘1‘,?,->‘43-:‘34‘5;3-.‘G‘534.‘<9/*<,5‘H‘3<</513*/77>‘ 3<<)-‘ #3-,‘34.,*‘.9,‘-147,‘8177‘=,‘+1-,<.,+‘/.‘/‘2/773;1*2‘5./2‘ <-/591*2‘.9-3)29‘=)59‘.9/.‘<3*<,/75‘91:‘);‘.3‘.9,‘81.9,-5B 3-‘ 1.‘:/>‘=,‘=3)*+1*2‘3?,-‘1*,6)/71.1,5‘34‘=-30,*‘2-3)*+‘3-‘ =-)59833+‘3-‘/:3*2‘.1:=,-‘/.‘/*>‘+15./*<,‘);‘.3‘L!!‘>/-+5‘ 53:,.1:,5‘LM!‘8917,‘593)7+‘9,‘9/?,‘.3)<9,+‘/‘./1*.‘1*‘.9,‘ 81*+‘915‘;/<,‘8177‘=,‘.-,:,*+3)5

7.93)29‘.3‘</5)/7‘?1,8‘/‘;7/1*‘34‘7,?,7‘<3*.3)-5‘.915‘<3)*.->‘ 15‘)*+)7/.,+‘.3‘/*‘,C.,*.‘.9/.‘+,<,1?,5‘/‘</-,7,55‘,>,A.9,‘ :3-,‘/<<,*.)/.,+‘=>‘.9,‘:3*3.3*,‘34‘<15.)55<-)=‘.9/.‘/;;,/-5‘ 53‘)*143-:‘ *‘-,/71.>‘.9,-,‘.-/?,-5,‘.9,‘;7/1*‘27,*5‘/*+‘2,*.7>‘ 2-/+,+‘9377385‘.9,‘7,55‘/;.‘.3‘=,‘*3.1<,+‘1*/5:)<9‘/5‘.9,‘5<-)=‘ 1*‘:315.,-‘+,77‘2-385‘9129,-

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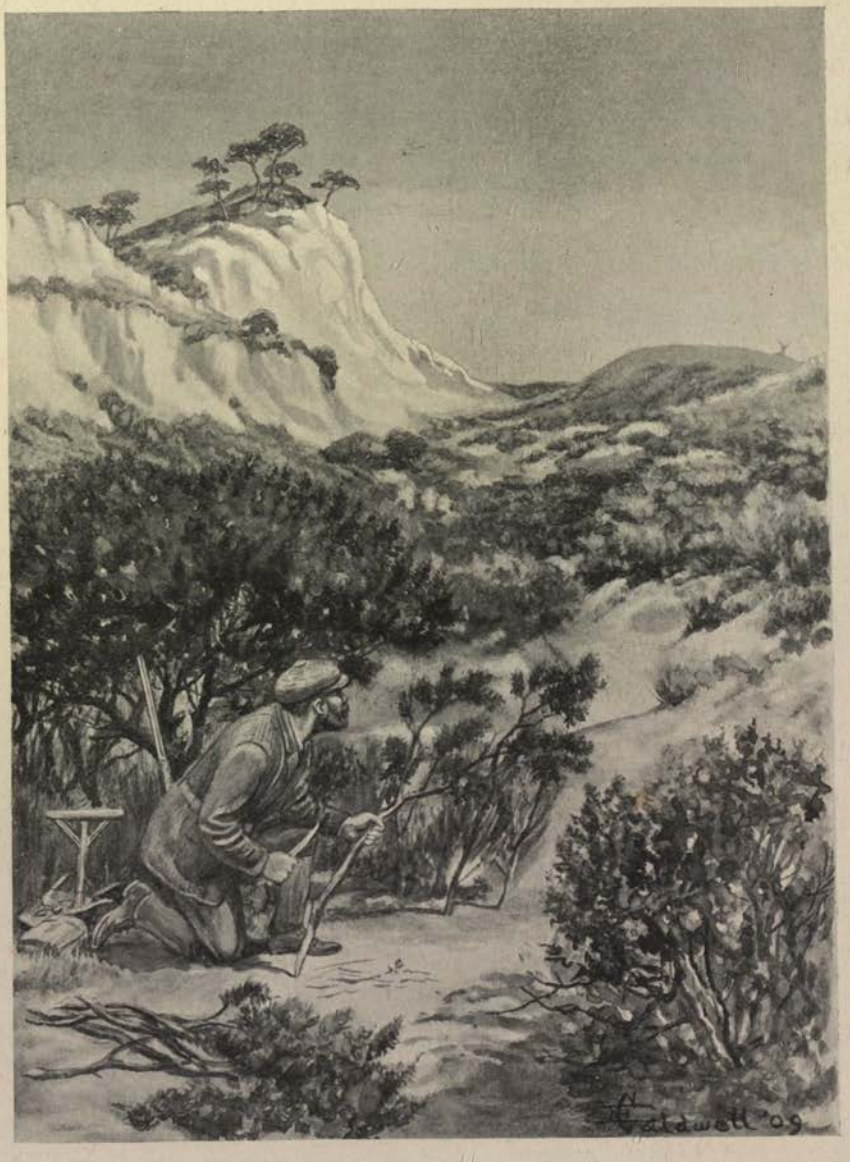
*5;1-1*2‘:3:,*.5‘/-,‘.935,‘89,*A=,43-,‘.9,‘=,/.‘9/5‘ <3::,*<,+A>3)-‘,>,‘</.<7E,5‘3*‘53:,‘4/-/8/>‘50>71*,‘.9,‘ =-3/+‘/*.7,-5‘34‘/‘5./2‘ 915‘/*1:/7‘9/5‘;,-9/;5‘=,,*‘3*‘433.‘ /*+‘/7,-.‘3-‘:/>=,‘9/5‘./0,*‘.9,‘G‘81*+‘H‘4-3:‘.9,‘2-3);‘34‘ =,/.,-5‘8,*+1*2‘/‘8/>‘.3‘.9,1-‘;31*.5‘4/-‘=,>3*+‘ 3-‘.9-,,‘ 5,<3*+5‘.9,‘/*.7,-5‘-,:/1*‘5./.13*/->‘.9,*‘?/*159‘1*.3‘53:,‘ 1*.,-?,*1*2‘27,*‘ ‘27/*<,‘/-3)*+‘59385‘>3)-‘*,C.‘*,129=3)-‘ 5.177‘=)5>‘<3:;7,.1*2‘915‘59,7.,-A:,-1.3-13)5‘83-0‘14‘+3*,‘1*‘ .1:,A/*+‘>3)‘9/?,‘5.-3*2‘5)5;1<13*‘.9/.‘.9,‘:/*‘=,>3*+‘8177‘ E)5.‘*38‘=,‘7129.1*2‘/‘<12/-,..,X)<9‘.93)29.5‘47/59‘.9-3)29‘ 3*,5‘:1*+B .9,‘+3:1*/*.‘6),5.13*‘.9/.‘41775‘1.‘15V G‘ 9,-,‘8177‘ .9/.‘2-,/.‘5./2‘-,/;;,/-F‘H‘).‘4,8‘5,<3*+5‘/-,‘*,,+,+‘.3‘ 537?,‘1.‘ ,-9/;5‘9,‘+/59,5‘9/-:7,55‘);3*‘.9,‘</-,7,55‘;,-9/;5‘);3*‘.9,‘5738A7)<0>‘43-‘91:‘593)7+‘,1.9,-‘5)<9‘,?,*.‘=,4/77X *‘.9,‘3.9,-‘9/*+‘.935,‘:3:,*.5‘34‘273-13)5‘,C;,<./*<>‘:/> -,537?,‘1*‘/‘<-/59‘34‘=-)59833+‘9/-+‘=>‘1*‘/‘<71*01*2‘34‘<73?,*‘ 93345‘/*+‘/‘*3=7,‘9/-.‘81.9‘93-*5‘/=/<0‘15‘=3)*+1*2‘;/5.‘>3)-‘ 38*‘-,/+>‘;35.‘ 9/.‘;-3;3-.13*‘8,‘1*8/-+7>‘1*6)1-,‘34‘ .9,‘5./25‘.9/.‘/-,‘0177,+‘=>‘<-/4.5:,*‘9/5‘/7-,/+>‘E)5.‘=,43-,‘ 344,-,+‘41-5.‘<9/*<,‘.3‘.9,‘</-,7,55‘3-‘.9,‘573?,*7>‘F

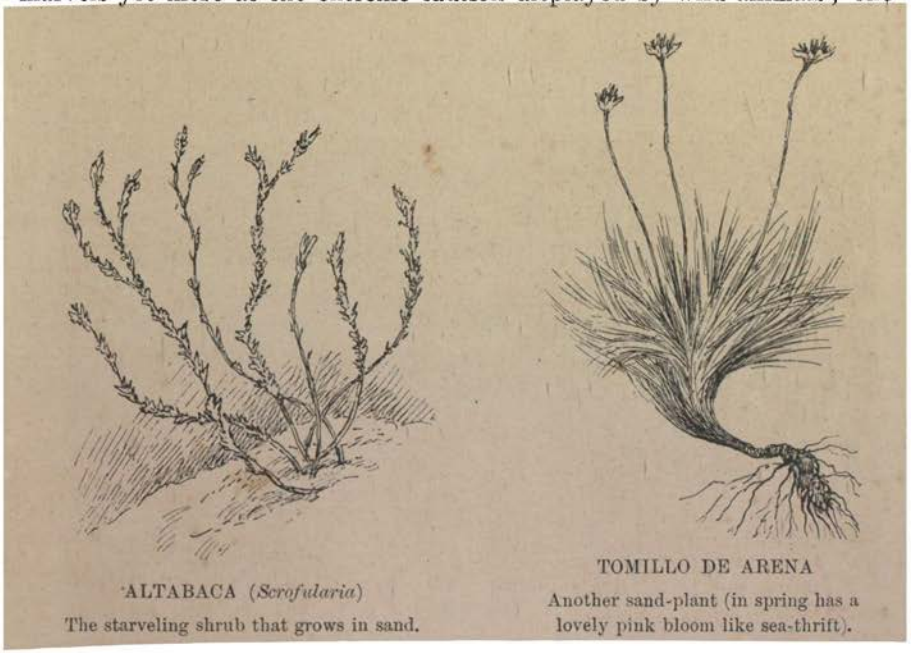


"INSPIRING MOMENTS."

(NEITHER CAUGHT NAPPING.)

We may conclude this chapter with an independent impression.

Lying hidden in one of these lonely *puestos*—writes J. C. C.—ever induces in me a powerful and sedative sense of contemplation and reflection, though fully alert all the time. While thus waiting and watching, I can't but marvel, first at nature's wondrous plan of waste—a scheme here without apparent object or promise of fulfilment. Where I lie the prospect comprises nothing but melancholy and unutterably silent solitudes of sand, droughty wastes with but at rare intervals some starveling patch of scant weird shrub destined either to shrivel in summer's sun or shiver in winter's winds. But, lying in that environment, one marvels yet more at the extreme caution displayed by wild animals; one



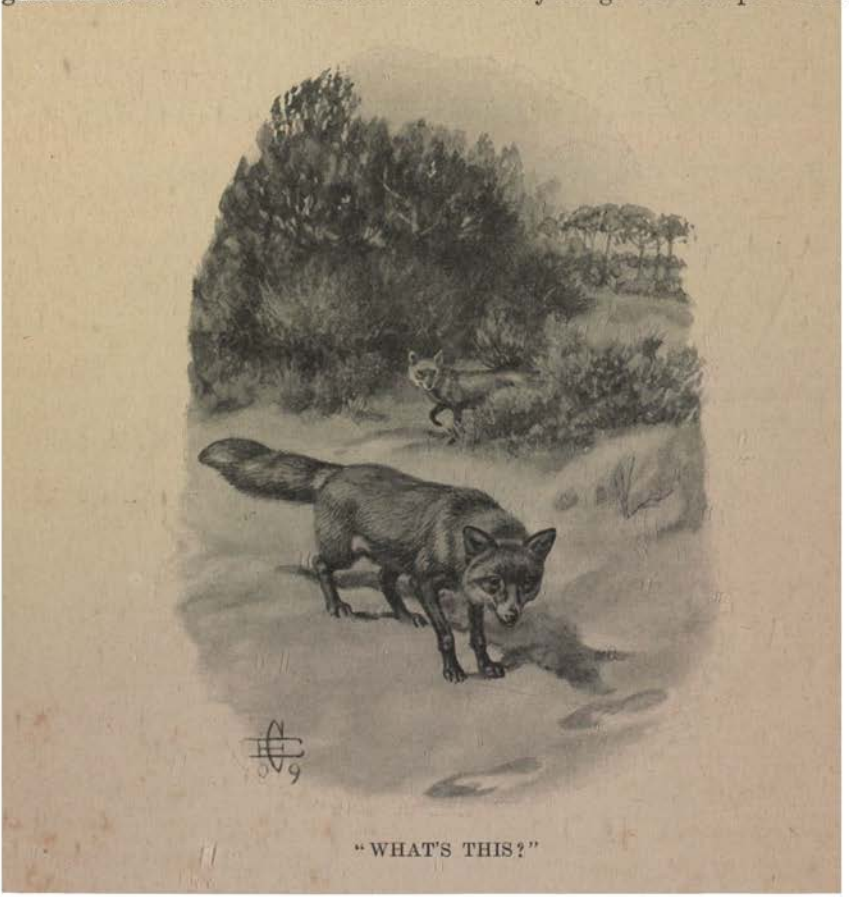
ALTABACA (*Scrofularia*)
The starveling shrub that grows in sand.

TOMILLO DE ARENA
Another sand-plant (in spring has a lovely pink bloom like sea-thrift).

has exceptional opportunity of admiring the exquisitive gifts bestowed by nature upon her *ferae*. Here is a young stag coming straight along, down-wind, ere yet the beat has begun, and in a desolate spot which to human sense could betray absolutely no feature or taint of danger. Suddenly he becomes rigid, arrested in mid-career—sniffing at a pure untainted air, yet conscious somehow of something wrong somewhere! It is a miraculous gift, though one cannot but feel grateful that we humans are devoid of senses that ever keep nerves in highest tension. Here is a sketch of a non-shootable stag thus suddenly statuetted thirty yards from me snugly hidden well down-wind, and so intensely interested that *something else* (a very old pal) well-nigh escaped notice.

That something was our good friend Reynard—*Zorro* they style him out here—whose proverbial cunning exceeds all other cunnings. He has

come down to my track and there stopped dead, expressing in every detail the very essence of doubly-distilled subtlety and craft. At those footprints he halts, sniffs the wind, curls his brush dubiously—as a cat will do when pleased—but not sure yet of his next move. One second's consideration decides him and it is executed at once—he is off like a gust of wind. But a Paradox ball at easy range in the open broke a



"WHAT'S THIS?"

hind-leg, and it was curious to note his evolutions—he, poor fellow, not realising what had occurred, flung himself round and round in rapid gyrations, the while biting at his own hind-leg. Needless to say not an instant passed ere a second ball terminated his sufferings. To observe the beautiful traits in the habits of wild beasts is to me quite as great a joy as adding them to my score and immensely augments the enjoyment of a big-game drive.

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/*+' 6)/71.>' 9,'2-3)*+'15' 3;,*'534.'/*+',/5>' 9,'=12'*,8'.-/<0'81.9'1.5'5;)-.5'34'43-8/-+ ;-3E,<.,+' 5/*+'/-,' ?151=7,'>/-+5'/9,/+' ,'437738'/7:35.'/.'/'-)*4A938'51:;7,'1.'5,,:5').'*3.'43-'73*2' 33*'<3:,5'<9,<0' 3'L' '+31,*'3.9,-'+,,-'9/?,'437738,+'3*'.9,'5/:,'71*,'/*+'.9,'3-121*/7'.-/17'153=71.,-/.,+' 9,'.-33;'7,/+5'3*'1*.3'/'-,213*'34'=)*+7,55'=)59'593)7+,-9129'89,-,'.9,'2-3)*+'15'9/-+,-'/*+'.9,'.-/<0,-5'5;-,/+'3).'.3'-129.'/*+'7,4.'=/<01*2',/<9'3.9,-'81.9'517,*.'512*/75'9,1-'50177'/*+';/.1,*<,'4/5<1*/.,B =).'1.'15'.3':,'1*'.9,'<,*.-,'.9/.'/4.,-'/'73*2'93)-5'5<-).1*>'4/775'.9,'5/.154/<.13*'34'-,+15<3?,-1*2'.9/.'=12'.-/<0'89,-,'1.'+1?,-2,5'/73*,'3*'.9,'7,4.'/74'/':17,'=,>3*+'3)-',--/.1<'4-1,*+'9/5';/55,+'.9-3)29'8/.,-'3-'/'5;/<,'/'=-30,*'-,,+'9,-,'3-'+15;7/<,+'7171,5'.9,-,'9,7;')5'43-8/-+B .9,*'.9,'+,,;,*1*2'8/.,-'/77'3;,*'=,/-5'*3'.-/<,'9,'3;;351.,'593-,':3-,3?,-'15'4-1*2,+'=>'/'!!>/-+'=,7.'34'=)7-)59'/*+'.,*433.'</*,5'/*+'=,>3*+'/77'.9/.'71,5'9,/?>'E)*27,3)'21?,'1.');'F +:1..,+7>'.9,5,'/-,'*3'71*,5'34'7,/5.'-,515./*<,'=).'8,'8177'<).'.9,')*;3;)7/-';/-.'/5'593-.'/5':/>'=,'/*+':,-,7>'/++'.9/.'1.'8/5'9129'*33*',-,'/4.,-'.9-,,'93)-5'83-0'A;)I171*2'3).';-3=7,:5'/*+';/-/+3C,5'*38'4377381*2'/'4/75,'<7),'/*3*'-,<3?,-1*2'.9,'.-),'3*,A.9/.'/.'7/5.'.9,'=12'5;33-'3*'+->'7/*+'3*<,':3-,'-,E31<,+'3)-'5129.'#3-,'.9/*'.9/.'1.'*38'=,/-5',?1+,*<,'A'.3',>,5'.9/.'</*'-,/+'A'.9/.'3)-''5./2'15'/;;-3/<91*2'915'5,7,<.,+'5.-3*2937+' ,'23,5'57387>' ,-,'9,'9/5'5.3;;,+'.3'5)-?,>'915'-,/-A.9,-,'9,'9/5'71*2,-,+'.3'*1==7,'/'2,*15./' /*+'.9,'5;33-'I121/25'.3'/*+'4-3' 38'1.').-*5'/.'59/-;' /*27,'437738 1*2'/'<9,,0 81*+'/*+'/'5)22,5.1?,'2-3?,'34'<3-0 3/05' ,:=,++,+'1*'9,/?>'=)59'71,5'/9,/+' *,'9)*.,-'3;1*,5'.9,'5./2'71,5');'9,-,'V .9,'3.9,-'+3)=.5' 3'9/74:,/5)-,5'5)441<,' ,'.)-*'+38* 81*+',.3)-1*2'.3'-,/<9'.9,':/1*'3).7,.'> '.3'7,,8/-+B 9,-,' '-,:/1*'91++,*'8917,':>'<3:;/*13*5'5,;/-/.1*2'3*'-129.'/*+'7,4.';-3<,,+'.3',*<1-<7,'.9,' '83'91*+5'=-,/0'9/-+'=>'/*+';-,5,*.7>')/*'-,.)-*5'8+.9'83-+'.9/.'.9,'5./2'9/5';/55,+'.9-3)29'.9,'<3?,-.A=,..,-'5.177'.9/.'/'5,<3*+'=12'=,/5.'9/5'E31*,+'.9,'41-5.'/*+'.9/.'.9,'+3)=7,'5;33-':3?1*2'+,/+5738'/*+'.9-,,6)/-.,-5')' 81*+';-3<,,+5'+),'*3-.9' *3.9,-':17,'/*+'.9,*'-129.'/9,/+'71,5'9,/?>'<3?,-.'=).'73*2'/*+'5.-/2271*2'/*+'.9,'9/7.1*2'.-/17'1*+1</.,5'.915'/5'/'<,-./1*'41*+

9,'5.-/.,21<';351.13*'15'51:;7,'=).'./<.1<5'43-'/'51*27,'2)*

leave endless scope for decision. Our first rule in all such cases is to get *close in*, risk what it may. Hence, while my companions separated, as before, to encircle the covert from right and left, the writer crept forward yard by yard till a fairly broad and convenient open suggested the final stand.

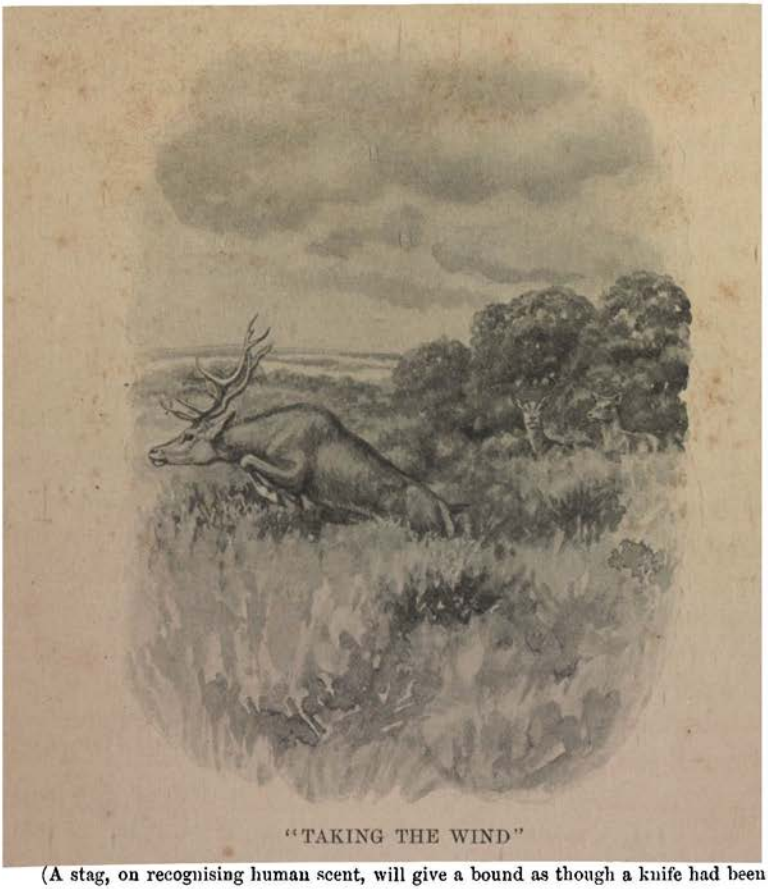
Not ten minutes had elapsed, nor had a sound reached my ears, when as by magic the figure of a majestic stag filled a glade on the left—what a picture, as with head erect he daintily picked his unconscious way! Clearly he suspected nothing *here*; but, having got sense, sight, or scent of Juan far beyond, was astutely moving away, with intelligent anticipation, to safer retreat. The shot was of the simplest, and merely black antlers crowned with triple ivory tips marked the fatal point among deep green rushes.

Now when two big stags fraternise, as they frequently do, it usually happens that, when pressed, both animals will finally seek the same exit, even though a shot has already been fired there. I had accordingly instructed the keepers that in the event of my firing, each should discharge his gun in the air, at the same time loosing one dog. The expected shots now rang out, presently followed by a crashing in the brushwood. This proved to be caused by a handful of hinds with, alas! the loose dog baying at their heels. The adverse odds had fallen to zero, till Juan, divining what had occurred, fired again and slipt the other dog. Anxious minutes slowly passed while my two biped sleuth-hounds on the other side gradually, yard by yard, made good their advance; for the wit and wiles, the practised cunning of an old stag when thus cornered, need every scrap of our human skill to out-general, and nothing to spare at that. But that skill was not at fault to-day, and in the thick of the *mancha*, Manuel presently "jumped" the recusant hart from almost beneath his feet, and his view-halloa reached expectant ears.

Then, within a few yards of the spot where No. 1 had silently appeared, out bounced No. 2, but in widely different style. In huge bounds, with head and neck horizontal and antlers laid flat aback, he covered the open like a racer. The first shot got in too far back, but the second went right, and the two friends lay not divided in death. Both were *coronados* (triple-crowned), indeed the second carried

four-on-top in double pairs as sketched—a not uncommon formation—but being very old, lacked bez tines.

Very nearly five hours had elapsed since we had first struck the spoor, five hours of concentrated attention, crowned by the final assertion of human "dominion." And during these moments of permissible expansion, there was impressed on our minds the fact that such success involves mastery of a difficult craft.



"TAKING THE WIND"

(A stag, on recognising human scent, will give a bound as though a knife had been plunged into his heart.)

Illustrative of how astutely a cornered stag will exploit every device and avenue of escape, an excellent instance is given in *Wild Spain*, p. 434.

Skilled deer-driving is a different undertaking from the *force majeure* by which pheasants and such-like game may be pushed over a line of guns. For deer do not act on timid impulse, but on practical instinct. Scent is their first safeguard when danger

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.9-,/.,*5ʻ /*+ʻ .9,1-ʻ */.)-/7ʻ 47129.ʻ 15ʻ); 81*+ʻ).ʻ /5ʻ 1.ʻ 15ʻ 3=?13)57>ʻ 1:;3551=7,ʻ .3ʻ;7/<,ʻ 2)*5ʻ .3ʻ 81*+8/-+ʻ .9,ʻ 3;,-/.13*ʻ -,537?,5ʻ 1.5,74ʻ 1*.3ʻ :3?1*2ʻ .9,ʻ 2/:,A+,/+ʻ /2/1*5.ʻ 1.5ʻ 1*5.1*<.ʻ /*+ʻ 5,.ʻ 1*<71*/.13*ʻ A ʻ+38* 81*+ʻ 3-ʻ /.ʻ 7,/5.ʻ 3*ʻ /ʻ G ʻ 9/74 81*+ Hʻ 9,ʻ 7/..,-ʻ 15ʻ ,/51,-ʻ /5ʻ /*ʻ 3;,-/.13*ʻ =).ʻ 7,55ʻ ,44,<.1?,ʻ 1*ʻ -,5)7.V 51*<,ʻ .9,ʻ 2)*5ʻ :)5.ʻ =,ʻ;35.,+ʻ 1*ʻ,<9,73*A 3.9,-815,ʻ,/<9ʻ G ʻ 21?,5ʻ .9,ʻ 81*+Hʻ .3ʻ 915ʻ *,C.ʻ *,129=3)-ʻ =,738ʻ 3*5,6),*.7>ʻ .9,ʻ 41-1*2 I3*,ʻ 34ʻ,/<9ʻ 15ʻ 2-,/.7>ʻ <1-<):5<-1=,+

*ʻ;-/<.1<,ʻ.9,-,43-,ʻ.9,ʻ2/:,ʻ9/5ʻ.3ʻ=,ʻ:3?,+ʻ3-ʻ</E37,+Aʻ 1.ʻ</*ʻ9/-+7>ʻ=,ʻ5/1+ʻ.3ʻ=,ʻ G ʻ+-1?,*ʻH A 1*.3ʻ 231*2ʻ /.ʻ 7,/5.ʻ 53ʻ 4/-ʻ+38* 81*+ʻ=>ʻ 50177,+ʻ 9/*+71*2ʻ 34ʻ.9,ʻ+-1?1*2 71*,ʻ /*+ʻ=>ʻ 1*.,7712,*.ʻ<3 3;,-/.13*ʻ 3*ʻ.9,ʻ;/-.ʻ34ʻ,/<9ʻ 1*+1?1+)/7ʻ+-1?,-ʻ *ʻ .9,ʻ 2-,/.ʻ :3)*./1* +-1?,5ʻ 34ʻ .9,ʻ 51,--/5ʻ D,75,89,-,ʻ +,5<-1=,+ʻ ;/<05ʻ 34ʻ93)*+5ʻ=,1*2ʻ</-,4)77>ʻ.-/1*,+ʻ;,-43-:ʻ1*41*1.,ʻ5,-?1<,ʻ 78/>5ʻ)*+,-ʻ <3*.-37ʻ 34ʻ .9,1-ʻ 9)*.5:/*ʻ .9,>ʻ 5>5.,:/.1</77>ʻ 5,/-<9ʻ 3).ʻ .91<0,.5ʻ 1:;,*,.-/=7,ʻ .3ʻ :/*ʻ /*+ʻ ;)59ʻ /77ʻ 2/:,ʻ 43-8/-+ʻ *ʻ.9,ʻ $3.3ʻ 341/*/3)-ʻ5<-/.<9 ;/<0ʻ34ʻ ʻ/*+ʻ :3*2-,75ʻ 34ʻ ,?,->ʻ+,2-,,ʻ -)*ʻ -13.ʻ)*<9,<0,+ʻ /.ʻ 91*+ʻ 9/-,ʻ 3-ʻ -/==1.ʻ 21?1*2ʻ.3*2),ʻ1*ʻ /77ʻ+1-,<.13*5ʻ/.ʻ3*<,ʻ/*+ʻ;-3=/=7>ʻ+3ʻ/5ʻ :)<9ʻ9/-:ʻ/5ʻ233+

)-ʻ :3)*.,+ʻ 0,,;,-5ʻ 938,?,-ʻ ,C;,-.ʻ 1*ʻ +1?1*1*2ʻ /4/-ʻ .9,ʻ >,.ʻ)*43-:,+ʻ+,512*5ʻ 34ʻ.9,ʻ2/:,ʻ /9,/+ʻ/-,ʻ 6)1<0ʻ.3ʻ<3)*.,-ʻ ,/<9ʻ :3?,ʻ =>ʻ /ʻ 4,1*.ʻ 3-ʻ +,:3*5.-/.13*ʻ =,91*+ß /*+ʻ 89,*ʻ +,51-/=7,ʻ.3ʻ 43-,5./77ʻ /..,:;.,+ʻ ,5</;,ʻ=>ʻ-,537).,ʻ -1+1*2ʻ 9,ʻ ;/*159ʻ/-,ʻ/ʻ*/.13*ʻ 34ʻ93-5,:,*ʻ/*+ʻ/ʻ41*,ʻ5129.ʻ1.ʻ15ʻ.3ʻ5,,ʻ .9,5,ʻ 817+ʻ 2)/-+/5ʻ 2/773;1*2ʻ 9,7.,-50,7.,-ʻ .9-3)29ʻ 5<-)=ʻ .9/.ʻ -,/<9,5ʻ .9,ʻ5/++7,A,5;,<1/77>ʻ .9,ʻ8/>ʻ .9,>ʻ -1+,ʻ+38*ʻ/ʻ 83)*+,+ʻ 5./2ʻ 3-ʻ=3/-ʻ 81.9ʻ .9,ʻ A /ʻ 73*2ʻ 833+,*ʻ 7/*<,

,5;1.,ʻ 1.ʻ /77ʻ 938,?,-ʻ :/*>ʻ 5./25ʻ =-,/0ʻ =/<0ʻ 1+1*2ʻ 81.9ʻ .9,ʻ=,/.,-5ʻ 1.ʻ 15ʻ 1*5.-)<.1?,ʻ .3ʻ 8/.<9ʻ .9,ʻ :/*3,)?-,5ʻ 34ʻ /*ʻ 37+ʻ 5./2ʻ /5ʻ 51*01*2ʻ 4-3:ʻ 5129.ʻ 9,ʻ<3)<9,5ʻ /:3*2ʻ 6)1.,ʻ 738ʻ 5<-)=ʻ 3*ʻ 53:,ʻ 91773<0ʻ 3-ʻ 5./*+5ʻ 5./.),56),ʻ 81.9ʻ 93-*5ʻ /=/<0ʻ 91+1*2ʻ=,91*+ʻ /ʻ <7):;ʻ 34ʻ./77ʻ.-,,9,/.95A /7,-.ʻ /77ʻ.9,ʻ 8917,ʻ 5.,/7.917>ʻ .3ʻ 5914.ʻ 915ʻ;351.13*ʻ /5ʻ>/;;1*2ʻ ʻ3*ʻ3*,ʻ51+,ʻ3-ʻ .9,ʻ3.9,-ʻ :/>ʻ5)22,5.A /*+ʻ 8/.<91*2ʻ,/<9ʻ3;;3-.)*1.>ʻ.3ʻ,?/+,ʻ .9,ʻ,*<3:;/551*2ʻ+/*2,-ʻ 38ʻ/ʻ5.C,.<9ʻ34ʻ+,*5,-ʻE)*27,ʻ3=5.-)<.5ʻ .9,ʻ/+?/*<1*2ʻ71*,ʻ 9,ʻ=,/.,-5ʻ/-,ʻ43-<,+ʻ/;/-.ʻ.3ʻ;/55ʻ1.ʻ/*+ʻ /ʻ2/;ʻ3-ʻ.83ʻ>/8*5ʻ1*ʻ.9,ʻ/../<0ʻ *5./*.7>ʻ.9/.ʻ1*.-35;,<.1?,ʻ 817+ʻ =,/5.ʻ -,/715,5ʻ 915ʻ /+?/*./2,A 9,ʻ 5;-1*25ʻ .3ʻ 5129.ʻ 12*3-,5ʻ ;/*159ʻ ,C;7,.1?,5ʻ .9/.ʻ 5<3-<9ʻ .9,ʻ 5<-)=ʻ /*+ʻ 1*ʻ 21/*.ʻ =3)*+5

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=-,/05' =/<0' 1*' .9,' ?,->' 4/<,' 34' ,*<1-<71*2' 43,5' 1.91*' .91-.>' 5,<3*+5' 9,' 9/5' -,2/1*,+' 5,<)-1.>' / : 1+' 7,/2),5' 34')*.-3++,*' 817+5 3:,' >,/-5' /23' 8,' .-1,+' .9,' ;7/*' 34' ;7/<1*2' 3*,' D3-' .83' 2)*5' 81.9' .9,' +-1?1*2 71*,B =).' .9,' ,C;,-1:,*.' ;-3?,+' 1:@ ;-/<.1</=7,' =?13)57>' 3*7>' .9,' <337,5.' /*+' :35.' -,71/=7,' :,*<3)7+' =,' .-)5.,+' 1*' /*' ,55/>' 891<9' 3.9,-815,' 1*?37?,+' +/*2,-' *43-.)*/.,7>A /*+' 1.' 15'=).' 9):/*' */.)-,A,?,->' 3*,' <3*51+,-5' 91:5,74' ,6)/77>' <337' /*+' -,71/=7,' ,*<,' .9,' =-,/0+38*' /*+' /=/*+3*:,*.' 34' .9,' ;-/<.1<,' 3-' .9,' 73*2' 71*,' 34' =,/.,-5' 5.-)2271*2' /.' +141,-,*.' ;31*.5' .9-3)29' 3=5./<7,5' 34' ?/->1*2' +1441<)7.>' *,<,55/-17>' 735,5' ;-,<15,' 43-:/.13*B 1.' =,<3:,5' :3-,' 3-' 7,55' =-30,*' /*+' 5</.,-,+' ,-,' /*+' .9,-,' /' :/*' :/>' 2,.' G' 5.)<0' H' /*+' 7,4.' /' 9)*+-,+' >/-+5' =,91*+' .9,' 2,*,-/7' /+?/*<,' 9,' -150' 1*' G' 41-1*2' =/<0' H' 15' 3=?13)5' 9,' 8-1.,-' -,:,:=,-5' =,1*2' 3*,' 34' .83' 2)*5' 81.9' .9,' =,/.,-5' 89,*' /' ;/1-' 34' 5./25' E):;1*2');' <735,' /9,/+' =37.,+' 5.-/129.' =/<0' ;/551*2' /7:35.' 81.91*' /-:5' 7,*2.9' 5' .9,' 5,<3*+' </--1,+' /' 4/1-7>' 233+' 9,/+' ' +15:3)*.,+' /*+' 593.' 1.' =).' 8/5' .9,*' 93--141,+' .3' +15<3?,-' .9/.' :>' <3:;/*13*2)*' 9/+' D<3*.-/->' .3' /77' -)7,5' 23*,' =/<0' 1*' .9/.' ?,->' +1-,<.13*' .3' 5933.' /' = G

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*' G' +-1?1*2' H' /5' 5)<9' 8,' +3' *3.' ;-3;35,' .3' ,*7/-2,' 9,' 5>5.,:' 15' 51:;7,' .93)29' .9,' ;-/<.1<,' 15' 5)=E,<.' .3' ?/-1/.13*' *' .9,' 2,*.7>')*+)7/.,+' 7,?,75' 34' 3*/*/' 43-' ,C/:;7,' .9,' 7/..,-' D/5' /7-,/+>' 1*+1</.,+' 15' 81+,7>' +144,-,*.1/.,+' 4-3:' .9,' 5>5.,:5' ;-/<.15,+' 1*' :3)*./1*3)5' <3)*.-1,5A 89,.9,-' 1*' <3.7/*+' 3-' .9,' ;/*159' 51,--/5A 89,-,' 593.5' </*' 5/4,7>' =,' /<<,;.,+' /.' 1*<3:1*2' 3-' /.' ;/551*2' 2/:,' $)*5' /-,' .9,-,' ;-3.,<.,+' 4-3:' +/*2,-' =>' 1*.,-?,*1*2' -1+2,5' <-/25' /*+' ;17,+);' -3<05' .9/.' /*0' ,/<9' G;/55 H' ,-,' .9,' 2/:,' :)5.=,' 7,4.' .3' ;/55' 8,77' .9-3)29' /*+' 3).51+,' .9,' 71*,' 34' 2)*5' =,43-,' /' 593.' 15';,-:1551=7,)-' G' +-1?,5 H' 89,.9,-' 1*' 43-,5.' 3-' 5<-):' 5,7+3:' ,C<,,+' /' <3);7,' 34' :17,5' 1*' ,C.,*.B =).' 1*' 817+' -,213*5' 89,-,' 1537/.,+' ;/.<9,5' 34' <3?,-.' /-,' 5</.,-,+' 1*5,.' /:1+' 8/5.,5' 34' 5/*+' .9,' /-,/' :/>=,' ,C.,*+,+' .3' 9/74' /' +/>5'-1+,' 9,5,' 73*2' 5<-/:=71*2' +-1?,5' 2/1*' ,*9/*<,+' 1*.,-,5.' .3' /' */.)-/715.' 1*' ;-,<15,7>' 1*?,-5,' -/.13' 81.9' .9,1-' ;-3=/=171.>' 34' 5)<<,55

*' /' =12 2/:,' +-1?,' .9,' 41-5.' /*1:/75' .3' <3:,' 43-8/-+' /-,

as a rule, foxes and lynxes—creatures which move on impulse, and instantly quit a zone where danger threatens. Both, however, will certainly pass unseen should there be any scrub to conceal their retreat. The lynx especially is adept at utilising cover, however slight. Should open patches or sandy glades occur among the bush, foxes will be viewed bundling along, to all appearance quite carelessly. Here in Spain foxes are merely "vermin"; but it is a mistake to shoot them, owing to the risk of thereby turning back better game. Neither lynx nor fox, by the way, are accounted *caza mayor* unless killed with a bullet.

SYLVIA MELANOCEPHALA

(Sardinian warbler; conspicuous by its strong colour-contrasts.)

As elsewhere mentioned, there is always a considerable possibility at the earlier period of a "drive" (and even *before* the operation has actually commenced) of some old and highly experienced stag attempting to slip through the line in the calculated hope (which is often well founded) that he will thereby take most of the guns by surprise and so escape unshot at. Never be unready.

Although in "driving," that element of ceaseless personal effort, observation and self-reliance that characterise stalking, still-hunting, or spooring, is necessarily reduced, yet it is by no means eliminated. Nor are there lacking compensating charms in those hours of silent expectancy spent in the solitude of jungle or amid the aromatic fragrance of pine-forest. Every

sense is held in tension to mark and measure each sign or sound; 'tis but the fall of a pine-cone that has caught your ear, but it might easily have been a single footfall of game. The wild-life of the wilderness pursues its daily course around unconscious of a concealed intruder in its midst. Overhead, busy hawfinches wrestle with ripening cones, swinging in gymnastic attitude. These are silent. You have first become aware of their presence by a shower of scales gently fluttering down upon the shrubbery of genista and rosemary alongside, amidst the depths of which lovely French-grey warblers with jet-black skull-caps (*Sylvia melanocephala*) pursue insect-prey with furious energy—dashing into the tangle of stems reckless of damage to tender plumes. There are other bush-skulkers infinitely more reclusive than these—some indeed whose mere existence one could never hope to verify (in winter) save by patience and these hours of silent watching. Such are the Fantail, Cetti's, and Dartford warblers, while among sedge and cane-brake alert reed-climbers beguile and delight these spells of waiting. Soldier-ants and horned beetles with laborious gait, but obvious fixity of purpose, pursue their even way, surmounting all obstruction—such as boot or cartridge-bag. Earth and air alike are instinct with humble life.

REED-CLIMBERS

To a northerner it is hard to believe that this is mid-winter, when almost every tree remains leaf-clad, the brushwood green and flower-spangled. Arbutus, rosemary, and tree-heath are already in bloom, while bees buzz in shoulder-high heather and suck honey from its tricoloured blossoms—purple, pink, and

violet. Strange diptera and winged creatures of many sorts and sizes, from gnat and midge to savage dragon-flies, rustle and drone in one's ear or poise on iridescent wing in the sunlight, and the hateful hiss of the mosquito mingles with the insect-melody. Over each open flower of rock-rose or cistus hovers the humming-bird hawk-moth with, more rarely, one of the larger sphinxes (*S. convolvuli*), each with long proboscis inserted deep in tender calyx. Not even the butterflies are entirely absent. We have noticed gorgeous species at Christmas time, including clouded yellows, painted lady and red admiral, southern wood-argus, Bath white, *Lycaena telicanus*, *Thäis polyxena*, *Megaera*, and many more. On the warm sand at midday bask pretty green and spotted lizards,[1] apparently asleep, but alert to dart off on slightest alarm, disappearing like a thought in some crevice of the cistus stems.

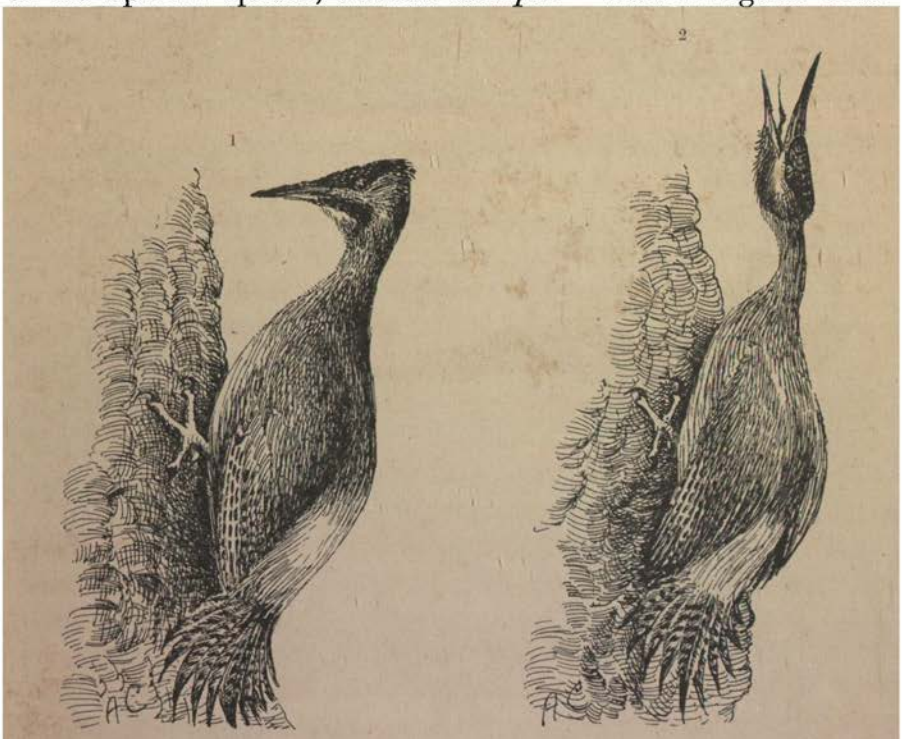
GREAT GREY SHRIKE (*Lanius meridionalis*)

Hard by a winter-wandering hoopoe struts in an open glade, prodding the earth with curved bill and crest laid back like a "claw-hammer"; from a tall cistus-spray the southern grey shrike mumbles his harsh soliloquy, and chattering magpies everywhere surmount the evergreen bush. Where the warm sunshine induces untimely ripening of the tamarisk, some brightly coloured birds flicker around pecking at the buds. They appear to be chaffinches, but a glance through the glass identifies them as bramblings—arctic migrants that we have shot here in midwinter with full black heads—in "breeding-plumage" as some call it, though it is merely the result of the wearing-away of the original grey fringe to each feather, thus exposing the glossy violet-black bases.

Birds, as a broad rule, possess no "breeding-plumage." They only renew their dress once a year, in the autumn, and breed the

[1] There are sand-lizards identical in colour with the sand itself—pale yellow or drab, adorned with wavy black lines closely resembling the wind-waves on the sand.

following spring in the worn and ragged plumes. It's not poetic, but the fact.[1] This is not the place to enumerate all the characteristic forms of bird-life, and only one other shall be mentioned, chiefly because the incident occurred the day we drafted this chapter. One hears behind the rustle of strong wings, and there passes overhead in dipping, undulated flight a green woodpecker of the Spanish species, *Gecinus sharpei*. With a regular thud



SPANISH GREEN WOODPECKER (*Gecinus sharpei*)
(1) Alighting. (2) Calling.

he alights on the rough bark of a cork-oak in front, clings in rigid aplomb while surveying the spot for any sign of danger, then projects upwards a snake-like neck and with vertical beak gives forth a series of maniacal shrieks that resound through the silences.[2] By all means watch and study every phase of wild-

[1] There are, of course, exceptions, such as golden plovers, ruffs, dunlin, godwits, knots, that do assume a vernal dress.

[2] This, the southernmost form of the green woodpecker, has much the most ringing voice. The closely allied northern form, *G. canus*, that one hears constantly in Norway, utters but a sharp monosyllabic note. A second curious fact may here be mentioned: that the great grey shrike, just named, *Lanius meridionalis*, is resident in Spain throughout the year, while the closely allied and almost identical *L. excubitor* breeds exclusively in the far north

life around you—the habit will leave green memories when the keener zest for bigger game shall have dimmed—but never be caught napping, or let a silent stag pass by while your whole attention is concentrated on a tarantula!

A TARANTULA

By way of illustrating the practice of "driving," we annex three or four typical instances :—

Las Angosturas, *February* 5, 1907.—The writer's post was in a green glade surrounded by pine-forest. A heavy rush behind was succeeded (as anticipated) by the appearance of a big troop of hinds followed by two small staggies. A considerable distance behind these came a single good stag, and already the sights had covered his shoulder, when from the corner of an eye a second, with far finer head, flashed into the picture, going hard, and I decided to change beasts. It was, however, too late. Half automatically, while eyes wandered, fingers had closed on trigger. At the shot the better stag bounded off with great uneven strides through the timber, offering but an uncertain mark. Both animals, however, were recovered. The first, an eleven-pointer, lay dead at the exact spot; the second was brought to bay within 300 yards, a fine royal.

Los Novarros, *January* 9, 1903.—My post was among a grove of pine-saplings in a lovely open plain surrounded by forest. Two good stags trotted past, full broadside, at 80 yards. The first dropped in a heap, as though pole-axed, the second receiving a ball that clearly indicated a kill. While reloading, noticed with surprise that No. 1 had regained his legs and was off at speed. A third bullet struck behind; but it was not till two hours later, after blood-spooring for half a league, that we recovered our game. The first shot had struck a horn (at junction of trez tine) cutting it clean in two. This had momentarily stunned the animal, but the effect had passed off within

(chiefly within the Arctic) and only descends to England in winter. Besides the harsh note mentioned above, the southern shrike, in spring, utters a piping whistle not unlike a golden plover.

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' # 1 (' %L' L"!' A 1-5.' =,/.' =>' .9,' G /27,5' ,5.H' D1*' .9,' =122,5.' <3-0 3/0' 8,' ,?,-' 5/8' .9,' 1: ;,-1/7' =1-+' 53/-1*2' 344' /5' 8,' -3+,'); ' -)5983 3+' ,?,->89,-,' ./77' /*+' +,*5,' 21?1*2' *3' ?1,8' *' ;7/<1*2' :,' .9,' 0,,;,-' -,:/-0,+' G' >' .915' 71..7,' 27/+,' " ' +,,-' ' =-,/0' =).' /:1+5.' 5)<9' E)*27,' 8177' *,,+' ' ' ' ' X H' 3)-' 5./25' =-30,' .83' 8,-,' :155,+' =).' 3*,' 5,<)-,+A 5,?,*' ;31*.5' 3*' 3*,' 93-*' .9,' 3.9,-' =-30,*' 3' +,*5,' 15' .9,' =)59' 9,-,' .9/.' /' 7>*C' -/*' /7:35.' 3?,-' .9,' 8-1.,-5' ;35.' >,.' 9/+' ?/*159,+' 4-3:' 5129.' ,-,' 2)*' <3)7+' =,' =-3)29.' .3' 593)7+,-' *' .9,' *,C.' =,/.' /' _),-,*<1/' +,7' #/<93' D/2/1*' /77' +,*5,' =)59 ' ' 593.' .83' -,/77>' 2-/*+' <3:;/*13*' 5./25' =).' /2/1*' 3*,' 34' .9,5,' 9/+' /' =-30,*' 93-*' 915' /*1:/7' 8917,' /.' =/>' 53' 1*E)-,+' .9,' 5;1*,' 34' 3*,' 34' 3)-' +325' .9/.' 1.' 9/+' .3' =,' 0177,+' .83' +/>5' 7/.,-' ' .91-+' =,/.' /++,+' 3*,' :3-,' =12' 5./2' /*+' .9,' +/>5' -,5)7.A 43)-' 5./25' 81.9' 3*7>' .83' G' 9,/+5' ' 15' 53' <)-13)5' .9/.' 8,' 21?,' .9,' +,../17VA

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' 915' 15' 3*7>' .9,' 5,<3*+' 1*5./*<,' 1*' .91-.>' 3-' 43-.>',/-5' 34' /' 83)*+,+' 3-' G=/>,+H' 5./2' 01771*2' /' +32' *' .9,')7/./' +,7 /-3' 8,' -,:,:=,-' :/*>',/-5' /23' /' 5./2' 593.' .9-3)29' .9,' 7)*25' /*+' 891<9' 8/5' =-3)29./.' .3' =/>' <735,' =,91*+' .9,' 8-1.,-5' ;35.' .3551*2' ' <7,/*' 3?,-' 1.5' 9,/+' /*+' 53' 1*E)-1*2' 1.' .9/.' .9,' +32' 9/+' .3' =,' +,5.-3>,+' /.' 3*<,

9,' 1*1.1/75' /-,' .935,' 34' 3)-' 7/.,' 4-1,*+' 373*,7' ->:,' 34' 751*2.3*' 3-5,.' 4311*,-7>' # ' 43-' .9/.' <3)*.>' /*+' 893' 8/5' /' 4-,6),*.' ?151.3-' .3' ;/1*' 89,-,' /7/5' X 915' +,/.9' 3<<)--,+' 8917,' 8,' 8-1.,' .915' <9/;.,-' D# />' L"!" ' ')*16),' ,C;731.' 34' .9,' 373*,75' +)-1*2' 915' 7/5.' 5933.1*2.-1;' :/>' 41.7>' =,' -,<3-+,+' *' ,=-)/->' M' L"!"' /.' .9,')7/./' +,7 /21*/+3' 43)-' =12' 5./25' =-30,' 1*' /' <7):;' ;/5.' 915' ;35.' 3*' /' ;1*,<-38*,+' -1+2,' 1*' .9,' 43-,5.' 83' 9,' +-3;;,+' -129.' /*+' 7,4.B .9,*' -,73/+1*2' 3*,' =/--,7' 0177,+' /' .91-+' ,-,' .9,' 5)-?1?3-5' 9/+' ?/*159,+' 4-3:' 5129.' 9,5,' .9-,,' 5./25' </--1,+' .91-.> 43)-' ;31*.5' .9,' =,5.' 9,/+' ./;1*2' = '1*<9,5' =>' '' 1*<9,5' 1*' 81+.9' /*+' ('1*<9,5' =/5/7<1-<):4,-,*<,

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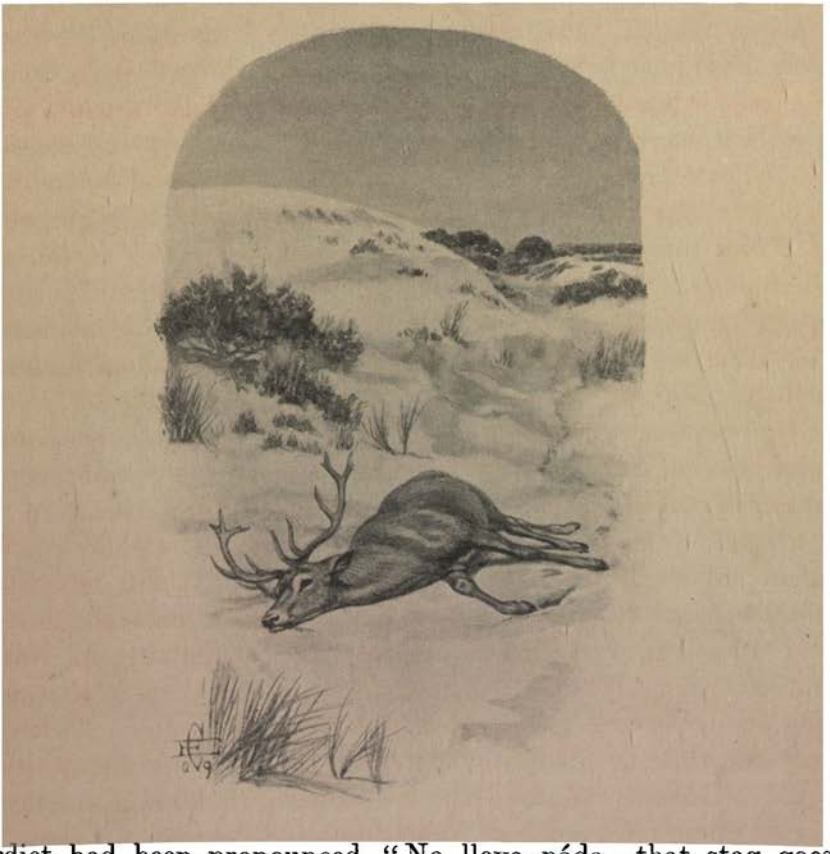
$ ‘ % ! # ! (‘ L‘ L"!" A 9,‘ /).93-5‘ 3<<);1,+‘ .9,‘ .83‘ 3).:35.‘ ;35.5‘ 3*‘ /‘ 9129‘ 5/*+ -1+2,‘ 891<9‘ <3: :/*+,+‘ /*‘ 1*.-35;,<.‘ 4/-‘ /8/>‘ 1*.3‘ .9,‘ 9,/-.‘ 34‘ .9,‘ <3?,-.‘ 7-,/+>‘ =,43-,‘ .9,‘ +15./*.‘ 512*/7‘ 9/+‘ /**3)*<,+‘ .9/.‘ .9,‘ <3*?,-21*2‘ 71*,5‘ 34‘ =,/.,-5‘ 9/+‘ E31*,+‘ 5)++,*7>‘ /*‘ /;;/-1.13*‘ 5938,+‘);‘ 3:,‘ %!!‘ >/-+5‘ /8/>‘ /‘ 738‘ ;1*, <7/+‘ -1+2,‘ .-/?,-5,+‘ .9,‘ 43-,.5.‘ 93-113*‘ /*+‘ 1*‘ .9/.‘ :3:,*.‘ .9,‘ 59/+385‘ =,*,/.9‘ =,</:,‘ /5‘ =>‘ :/21<‘ 177):1*,+‘ =>‘ /*‘ 1*5;1-1*2‘ 5;,<./<7, A .9,‘ .-/<,->‘ 34‘ 2-,/.‘ 5;-,/+1*2‘ /*.7,-5‘ 5)-:3)*.1*2‘ .9,‘ 5)*71.‘ 2-,>‘ 4/<,‘ /*+‘ *,<0‘ 34‘ /‘ 273-13)5‘ 5./2‘ 3-‘ .8,*.>‘ 5,<3*+5‘ .9,‘ /;;/-1.13*‘ D/*+‘ 8,‘ -,:/1*,+‘ 5./.),56),‘ /5‘ </5.‘ 1*‘ =-3*I,‘ 9,*‘ 81.9‘ .9,‘ 5)++,**,55‘ /*+‘ 517,*<,‘ 34‘ /‘ 5914.1*2‘ 59/+38‘ .9,‘ +,,;‘ 571/+,‘ 8/5‘ ?/</*.‘ 3*<,‘ :3-,‘ 9,‘ 5./2‘ 9/+‘ -,.1-,+‘ .‘ =33.5‘ *3.‘ .3‘ -,</77‘ .935,‘ /23*1,5‘ 34‘ 5,74 -,;-3/<9‘ .9/.‘ 2*/8,+‘ 3*,5‘ ?,->‘ =,1*2‘)441<,‘ 1.‘ .9,>‘ 8,-,‘)*+,5,-?,+B 43-‘ 41?,‘ 3-‘ 51C‘ :1*).,5‘ 7/.,-‘ .9/.‘ 5./2‘ -,@/;;,/-,+‘ 7,15)-,7>‘ </*.,-1*2‘ 43-8/-+‘ 7,/-7>‘ *3‘ 5;,<141<‘ 512*‘ 3-‘ 5)5;1<13*‘ 34‘ +/*2,-‘ /9,/+‘ 9/+‘ 5.-)<0‘ 915‘ :1*+‘ 3-‘ +1<./.,+‘ .9/.‘ -,.1-,:,*.‘).‘ 915‘ <3)-5,‘ 8/5‘ *38‘ =>‘ :,-,‘ <9/*<,‘ /*+‘)*</7<)7/.,+‘ <)**1*2‘ %!!‘ >/-+5‘ 3).51+,‘ .9,‘ 5;9,-,‘ 34‘ >3)-‘ 9):=7,‘ 5,-?/*.5‘ .9,‘ /).93-5‘ 9/.‘ 5./2‘ 8/5‘ *38‘ /=3).‘ .3‘ 344,-‘ /‘ <9/*<,‘ .3‘ 2)*‘ 3‘ %‘ 1*5.,/+‘ 34‘ /5‘ 3-121*/77>‘ .3‘ 35‘ L‘ /*+‘ ‘ /2,-7>‘ 8,‘ =3.9‘ 8/.<9,+‘ 915‘ <3)-5,‘ *38‘ 9/7.1*2‘ 3*‘ 53:,‘ -1+2,‘ .3‘ -,<3**31.-,‘ 2/I,‘ 5914.1*2‘ /*+‘ ,/-5‘ +,47,<.1*2‘ 91.9,-‘ /*+‘ .91.9,-‘ /*3*‘ :/01*2‘ 233+‘ /*3.9,-‘ 5./2,‘ .38/-+5‘ .9,‘ 23/7‘ 34‘ ,5</;,‘ ‘ 73*2‘ 59/7738‘ ‘ D937738‘ <3*<,/7,+‘ 915‘ =)70‘ 4-3:‘ ?1, ‘ =).‘ 8,‘ *38‘ 5/8‘ =>‘ .9,‘ =)*<9>‘ G‘ 5938‘ H‘ 3*‘ .3;‘ .9/.‘ .915‘ 8/5‘ /‘ ;-1I,‘ 34‘ *3‘ :,/*‘ :,-1.‘ 9,*‘ </:,‘ .9,‘ <71:/C‘ 151*2‘ .9,‘ 573;,‘ 891<9‘ ,*+,+‘ .9,‘ ‘ 1*‘ /*‘ 1*5./*.‘ .9,‘ 5./2‘ 5.3;,+‘ ;,.-141,+‘ .-/129.‘ 3*‘ 1*‘ 4-3*.‘ 34‘ 91:‘ *3.‘ L!!‘ >/-+5‘ /9,/+‘ 7/>‘ 3‘ % 2)*‘ /*+‘ .9,‘ 4/./7‘ 4/<.‘ 9/+‘ =,,*‘ +15<3?,-,+‘ .‘ :/>‘ 9/?,‘ =,,*‘ /*‘)*.1:,7>‘ :3?,:,*.‘ ;,-9/;5‘ /‘ 271*.‘ 34‘ 5)*-/>‘ 3*‘ ,C;35,+‘ 2)* =/--,7‘ 3-‘ :,-,7>‘ .9,‘ 3).71*,‘ 34‘ /‘ </;‘ .9-,,‘ 1*<9,5‘ .33‘ 9129A /*>8/>‘ .9,‘ /:=)59‘ 9/+‘ =,,*‘ +,.,<.,+‘ /*+‘ *38‘ .9,‘ 5./2‘ 58)*2‘ /.‘ -129.‘ /*27,5‘ /*+‘ 53)29.‘ 1*‘ 21/*.‘ =3)*+5‘ .3‘ ;/55‘ =,91*+‘ 3‘ ‘ .‘ 8/5‘ /‘ 73*2

shot, very fast, and intercepted by intervening trees and bush —the second barrel directed merely at a vanishing stern. Yet such was our confidence in the aim—in both aims—that not even the subsequent sight of our antlered friend jauntily cantering away down the long stretch of Los Tendidos impaired by one iota its self-assurance. For a mile and more we followed that bloodless spoor, far beyond the point whereat the keeper's solemn



verdict had been pronounced, "No lleva náda—that stag goes scot-free." As usual, that verdict was correct.

An incident worth note had occurred meanwhile. On the extreme left of our line, a mile away, two stags out of four that broke across the sand-wastes had been killed; and these, while we yet remained on the scene (though a trifle delayed by fruitless spooring) had already been attacked and torn open by a descending swarm of vultures. That, in Africa, is a daily experience, but never, before or since, have we witnessed such unseemly voracity in Europe.

□# $%&' (' %!)#

& ' ' A 915' 15' .9,' 3*,' 7387/*+' <3?,-.' 89,-,' 593.5' /-,' ;,- : 1551=7,' /.' 1*<3 : 1*2' 2/ : ,' ,1*2' 47/*0,+' 3*' .9,' 8,5.' =>' 212/*.1<' 5/*+ +)*,5' .9,' 2)*5' D)*+,-' <,-./1*' <3*+1.13*5' : />' =,' 71*,+' 3).' /' <3);7,' 34' : 17,5' /8/>' /73*2' .9,' 3).501-.5' 34' .9,' *,C.' *,/-,5.' <3?,-.A .9,' 1+,/' =,1*2' .3' ./0,' .9,' 5./25' /5' .9,>' </*.,-' /<-355' .9,' 1*.,-?,*1*2' +)*,5' 9,' <3*+1.13*5' -,4,--,+' .3' /-,' D7' /' 5.-/129.' ,/5.' 81*+' /*+' D' -,71/=7,' 2)*5' =?13)57>' .9,' ,7,:,*.' 34' ')*+,-' .915' ;7/*' 15' ?/5.7>' 1*<-,/5,+' /*+' /5' .9,' 0,,;,-5' /-,' -,5;3*51=7,' 43-' /*>' /<<1+,*.' .9,>' /-,' -,7)<./*.' .3' ,C,<).,' .9,' +-1?,' .9)5' 5/?,' 3*7>' 89,*' .9,1-' <3*47+,*<,' 1*' .9,' 2)*5' 15' <3:;7,.,R' '</-,7,55' :/*' 3*' /' 2-3)5,+-1?,' 15' +/*2,-3)5' ,*3)29B =).' 9,-,' 81.9' -147,=)77,.5' /' -,<07,55' 593.' :/>' 5;,77' +,/.9' 9,' G'1* +-1?,H' *,?,-.9,7,55' 15' =3.9' <)-13)5' /*+' 1*.,-,5.1*2' '5;,<./<7,' 3*,' +3,5' *3.' 43-2,.' 15' /443-+,+' 89,*' .9,' 4/-/8/>' 50>71*,' 34' +/II71*2' 5/*+' 15' 5)++,*7>' 5)-:3)*.,+' =>' 5;-,/+1*2' /*.7,-5' /*+' 53:,' 2-,/.' 9/-.';,-9/;5' /' +31,*' 34' .9,:' <3:,' .-3..1*2' /77')*<3*5<13)5' +1-,<.7>' .38/-+5' .9,' ,/2,-' ,>,5' 8/.<91*2' /*+' 8/1.1*2' 9,' ,44,<.' 34' /' 593.')*+,-' .9,5,' <3*+1.13*5' 15' 4-,6),*.7>' .3' .)-*' .9,' 2/:,' 344' /.' -129.' /*27,5' 9,' +,,-' .9,*' 937+' /' <3)-5,' ;/-/77,7' 81.9' .9,' <3?,-.51+,' .9)5' -)**1*2' .9,' 2/)*.7,.' 34' 5,?,-/7' 2)*5' /*+' .9,' 6),5.13*' 34' G'41-5.' =733+' H' :/>' =,<3:,' /' :33.' ;31*.A' ,/517>' +,.,-:1*,+' 938=?,-' =>' -,4,-,*<,' .3' .9,' 5;33-' 3/-' */.)-/77>' /-,' /?,-5,' .3' ./0,' 5)<9' 3;,*' 2-3)*+B =).' 89,*' 5,?,-,7>' ;-,55,+' 8,' 9/?,' 3*' 3<</513*' 5,,*' .9,:' 5<)-->1*2' /<-355' .9,5,' /9/-/*' 5/*+5' /' 51*2)7/-' 5129.')*+,-' .9,' :1++/>' 5)*

3' 1*.-35;,<.1?,' :1*+5' .83' ;31*.5' :/>' 9/?,' 5938,+');' 1*' .9,5,' -3)29' 3).71*,' 177)5.-/.13*5' 1-5.' .9/.' .9,' =,5.' 5./25' /-,' ,?,-' .9,' ,/-71,5.' /:3?,' 89,*' +/*2,-' .9-,/.,*5' 9,5,' *3.' 5,7+3:' ,5</;,' ,X-,' /' 573?,*7>' 2)**,-' 15' /8/-,' .9/.' .9,' =,/.' 9/5' =,2)*' 9,' :3-/7' 15' <7,/-' ,<3*+7>' /5' .9,5,' =122,-' /*+' 37+,-' =,/5.5' ,C91=1.' 4-/.,-*/7' .,*+,*<1,5' 1.' 4377385' .9/.' /' 41-5.' <9/*<,' D89,.9,-' /?/17,+' 3-' =)*27,+' *,,+' *3.' *,<,55/-17>' =,' .9,' 7/5.

,51+,5' +,,-' 1.' 15' 6)1.,')5)/7' .9/.' 817+ =3/-' /5' 8,77' /5' 7>*C,5' /*+' 3.9,-' :1*3-' /*1:/75' <3:,' 43-8/-+' 3*' .9,5,' G'+-1?,5 H' 9,' +1?,-2,*.' */.)-,' 34' ;12' 938,?,-' -,*+,-5' /

' 3.' /' 51*27,' /<<1+,*.' 2-,/.' 3-' 5:/77' 9/5' 3<<)--,+' +)-1*2' .9,' /).93-5' 73*2' .,*)-,' 34' .9,' $3.3' 3*/*/

more specialised system advisable when wild-boar only are the objective. For whereas the aboriginal stag seeking a "lie-up" wherein to pass the daylight hours was satisfied by any sequestered spot that afforded shelter and shade from the sun, that was never the case with the jungle-loving boar. To the stag strong jungle and heavy brushwood were ever abhorrent, handicapping his light build and branching antlers. Clumps of tall reed-grass or three-foot rushes, a patch of cistus or rosemary, amply fulfilled his diurnal ideals and requirements. Nowadays, it is true, the expanded sense of danger, the increasing pressure of modern life—even cervine life—force him to select strongholds which offer greater security though less convenience. The wild-boar, on the reverse, with lower carriage and pachydermatous hide, instinctively seeks the very heaviest jungle within his radius—the more densely briar-matted and impenetrable the better he loves it.

Many such holts—some of them may be but a few yards in extent—are necessarily passed untried both by dogs and men when engaged in "driving" extended areas, sometimes miles of consecutive forest and covert. The somnolent boar hears the passing tumult, lifts a grisly head, grunts an angry soliloquy, and goes to sleep again, secure. Another day you have returned expressly to pay specific attention to him. In brief space he has diagnosed the difference in attack. Instantly that boar is alert, ready to repel or scatter the enemy, come who may, on two legs or four.

HOOPOES
On the lawn at Jerez, March 19, 1910.

! ' 3*, 5' ,/-71,5.' +/>5' .9,' 817+ =3/-' 71/5' =,,*' 1*?,5.,+' 81.9' /' 53-.' 34' 9/73' 34' -3 : /*<,' 1+,*.141,+' 1*' >3).94)7' : 1*+' 81.9' 2-1 :' <3)-/2,' /*+' =-).,' 5.-,*2.9' ,-9/;5' 915' 2-157>' 4-3*.' .9,'?1<13)5' =733+593.' ,>,5' 5/?/2,' 5*3-.5' /*+' 2,*,-/77>' : /712*/*.' +, : ,/*3)-' 7,*+' 5)=5./*<,' .3' 5)<9' 1+,/').',?,*' / : 3*2' /+)7.5' .9,-,' ,C15.5' 1*' .9,' ;3;)7/-' : 1*+' /' 5.-/*2,' : 1C.)-,' 34' : 15@ <3*<,;.13*' /5' =,.8,,*' =12' 2/ :,' /*+' +/*2,-3)5' 2/ :,A .3' 9)*+-,+5' .9,' .,-: 5' /-,' 5>*3*>: 3)5' 9)5' /' 7/+>' 1*5;,<.1*2 3)-' .-3;91,5',C<7/1 :,+' G 9' # - ' /-,*.' .9,5,' =,/5.5' ?,-> .-,/<9,-3)5'FH' 891<9' /7 : 35.' ;-3?30,+' .9,' -,;7>' G' 3)' 5,,' 8,' /-,',?,*' : 3-,' .-,/<9,-3)5'XH

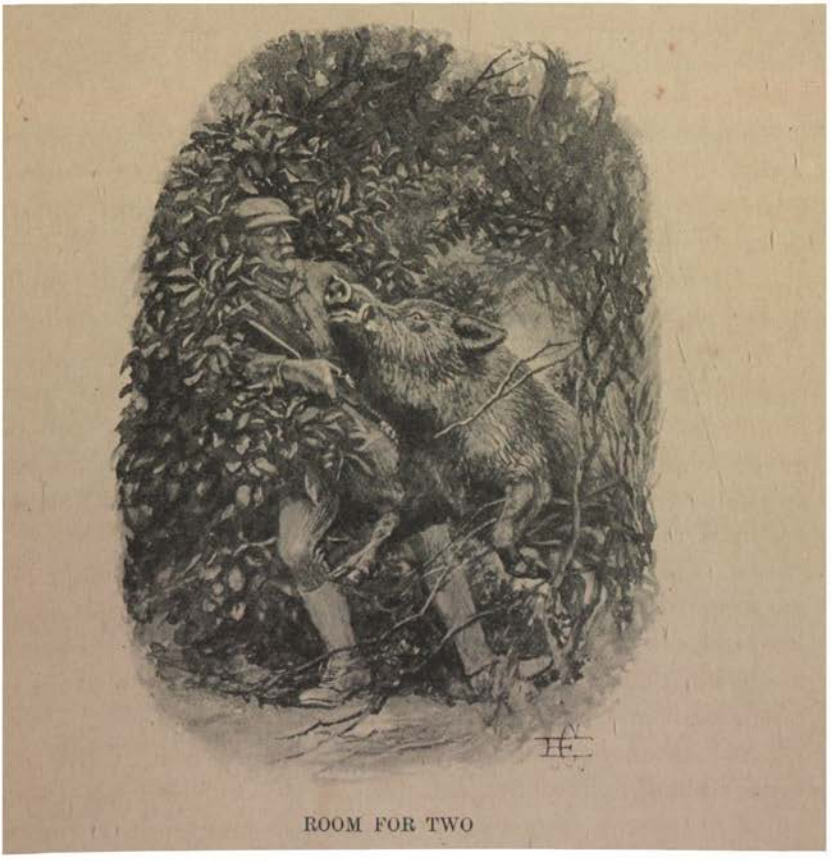
*' 53=,-' .-).9' *,?,-.9,7,55' /' =12' 37+' =3/-' 89,*' 9,7+');' /.' =/>' 3-' <9/-21*2' 1*' 9,/+73*2' -)59,5');3*' .9,' +325' 915' 8+<0,+',>,5' 47/591*2' 41-,' /*+' 43/ :' 47>1*2' 4-3 :' 915' E/85' /5' .)59,5' <7/59' /*+' <9/ :;' ;-,5,*.5' /5';-,..>' /' ;1<.)-,' 34' =-).,4)->' /*+' ;7)<0' /5',?,*' /' 83-7+ 9)*.,-' : />' 8159' .3',*E3>

,.' / : 3*2' 9)*+-,+5' 34' =3/-5' .9/.' 8,' 9/?,' 0177,+' 3-' 5,,*' 0177,+' D.93)29' +325' /-,' </)29.' <3*.1*)/77>' /*+' 3<</513*/77>' /' 93-5,' .9,-,' 9/5' 9,?,-' 3<<)--,+' /' 5,-13)5' /<<1+,*.' .3' .9,' 9)*.,-' /*+' 3*7>' /' 4,8' */--38' ,5</;,5

5' /*' ,C/ :;7,' 34' .9,' 7/..,-' V .9,' 0,,;,-' 8917,' G' ;7/<1*2' H' .9,' 8-1.,-' / : 3*2' =)59 <7/+' +)*,5' 3).51+,' .9,' # /*<9/' 34' # /E/+/' ,/7' : ,*.13*,+' .9/.' /' ?,->' =12' =3/-' 34.,*' 4-,6),*.,+' 53 : ,' 9,/?>' -)59 =,+5' 3*' : >' 4-3*.' G' 93)7+' .9,' +325' 21?,' .3*2),' .3';12' /.' .9/.' ;31*.' >3)-' C<,77,*<>' 8177' /.' 3*<,' -)*' 1*' .3' .9,' 4)*<.13* H')<9' 8,-,' 915' 1*5.-)<.13*5

.' .9,' ;31*.' 1*+1</.,+' .9,' +325' =/>,+')*: 15./0/=7>' /*+' 5,1I1*2' /' 7129.' 51*27,' </-=1*,' %!%' D/5' .9,-,' 8/5' /' 5.-,.<9' 34' 9,/?>

sand to cover) I ran in. Arriving at the covert and already close up to the music, suddenly the "bay" broke, and I felt the bitter annoyance of being twenty seconds too slow. I had entered by a narrow game-path, and was still hurrying up this when I met the flying boar face to face. By chance he had selected the same track for his retreat! As we both were moving, and certainly not six yards apart, there was barely



ROOM FOR TWO

time to pull off the carbine in the boar's face and throw myself back against the wall of matted jungle on my left. Next moment the grizzly head and curving ivories flashed past within six inches of my nose! The spring he had given carried the boar a yard past me, and there he stopped, stern-on, champing and grunting, both tushes visible—I could see them in horrid projection, on either side of the snout! I had brought the empty carbine to the "carry," so as to use it bayonet-wise, to ward the brute off my legs; but he remained stolidly where

□# $%&' (' %!)#

9,' 9/+' 5.3;;,+' /*+' /5' :/>' =,' 1:/21*,+' '5.33+' 5.371+' .33'
5'1.' ;-3?,+'.9,'=)77,.',*.,-1*2'.3;'34'593)7+,-'9/+'.-/?,-5,+'
.9,' ?1./75A9,*<,'.9,'<,55/.13*' 34'935.171.1,5' '4,8' :3:,*.5'
7/.,-'.9,'/--1?/7'34'.9,'+325'.,-:1*/.,+'/*')*.38/-+'1*.,-?/7

*' /*3.9,-'3<</513*' /.' .9,' ,./' +,' 7/5' 3*<9/5' /:1+5.'.9,'
73?,7>' 'E)5./5'.9,'=,/.'8/5'<3*<7)+,+'.9,-,'+/59,+'
4-3:' /'5:/77'.91<0,.' /'.-33;'34'/'+31,*;12' :/01*2'+1-,<.'43-'
.9,' 5371./->';1*,'=,91*+'891<9'.9,'8-1.,-'9,7+'2)/-+' /551*2'
+)77'=-3/+51+,'/.'.91-.>'>/-+5'.9,'=122,5.'+-3;;,+',+/+'3*'.9,'
5/*+'/*+'E)5./5'.9,'.-33;'+15/;;,/-,+'1*'/'+3*2/'/'5,<3*+'1.'
5,,:,+'8/5'0*3<0,+'3?,-' *'.9,'=,/.,-5'/;;-3/<91*2' '
8/70,+'/<-355'.3'5,,'/*+'.9,-,'1*'.9,'937738'7/>'.9,'5,<3*+'
;12'/;;/-,*.7>'+,/+',*3)29' /?1*2';1<0,+');':>'41,7+27/55,5'
</-.-1+2,;3)<9',.<' '5.33+'<735,'=>'/8/1.1*2'.9,'0,,;,-5'
/--1?/7' 9-,'3-'43)-'+325'938,?,-'43773881*2'3*'.9,'5;33-'
/--1?,+'41-5.B /*+'3*'.9,1-'83-->1*2'.9,'+,<,/5,+'1.'/.'3*<,'
5;-/*2'.3'1.5'4,,.'2/I,+'43-'3*,'1*5./*.'/*+'<9/-2,+'+1-,<.'
,?,-'9/?,''5,,*'/*'/*1:/7'<3?,-'.8,*.>'>/-+5':3-,'6)1<07>'X
-3;;1*2'.9,'9/*+4)7'34' '/43-,5/1+' ;)77,+'344'/*'
)*/1:,+'</-.-1+2,'1*' :>'/55/17/*.5'4/<,'/*+'/'7)<0>'=)77,.'
5.-)<0'-/.9,-'=,738'.9,',>,5' 915'15'*3.'/'+,/+'593.'=).'.9,'
593<0'/.'.9/.'593-.'+15./*<,';-3?,+'5)441<1,*.

*' /:)51*2'1*<1+,*.'*3.'+1551:17/-'3<<)--,+'/.' /7/?/-'
'>3).94)7'5;3-.5:/*'8/5'/;;-3/<91*2'/'=3/-'891<9'9/+'4/77,*'
/*+'7/>'/;;/-,*.7>'+,/+'89,*'1.'.33'5)++,*7>'5;-/*2');'/*+'
<9/-2,+')-'4-1,*+'.)-*,+'/*+'47,+B =).'.-1;;1*2'3?,-'/'
4/77,*'=-/*<9'4,77'9,/+73*2'/:1+5.'.9,'2-,,*-)59,5' 9,-,'
4/<,+38*8/-+5'9,'7/>' ;-,4,--1*2'/5'9,',C;7/1*,+'7/.,-'G.3'
-,<,1?,'915'83)*+'=,91*+'-/.9,-'.9/*'9/?,'915'4/<,'':,55,+'/=3).'
=>'/'=3/-XH')<017>'.9,'/*1:/7'3*'7351*2'5129.'34'1.5'47>1*2'
43,';)77,+');'/*+'5.33+'2-)*.1*2'5)-;-15,'/*+'+15/;;-3?/7

'51:17/-',C;,-1,*<,'=,4,77'P1*2'743*53'N '1*'.915'
#/*<9/'34'/7/?/-',<,:=,-'"'L"!"',*,,+'*3.'.,77'
*27159'-,/+,-5'.9/.'15'#/E,5.>';-3?,+',6)/7'.3'.915'/5'.3'
,?,->'3<</513*'/*+'+-3;;,+'915'/+?,-5/->'/.'/-:5'7,*2.9

9,*'3*,'-,/+5'D/5'8,'+3'+,5<-1;.13*5'34'=12 2/:,'9)*.1*2'
/'-,<)--1*2',C;-,5513*' 21?,5';/)5,A.9/.'34'G'<9/-21*2H' '
-,<,*.'+15<)5513*'1*'/'5;3-.1*2';/;,-'.)-*,+'3*'.9,'6),5.13*'
34'G'.9,'=,5.'8,/;3*'43-'/'<9/-21*2'=3/-H' 38'5)<9'/'.91*2'
/5'/'G'<9/-21*2'=3/-'H'9/5'*,?,-'1*'/'73*2',C;,-1,*<,'3<<)--,+

to the authors—that is, a boar charging deliberately, and of its own initiative, upon human beings; and we do not believe in the possibility of such an event. Of course should a boar (or any other savage animal) be disabled, or in a corner, that is a different matter—then a wild-boar will fight, and right gallantly too.

The nearest approach to a "charge" (though it wasn't one really) occurred at the Rincon de los Carrizos. Towards the end of the beat the dogs ran a pig, and, seeing it was a big one, the writer followed, and after a spin of 300 yards overtook the boar at bay in a deep water-hole. The place was all overhung with heavy foliage and thick pines above, giving very poor light. Though the boar's snout pointed straight towards me about ten yards away, I imagined (wrongly) that his body stood at an angle—about one-third broadside: hence the bullet (aimed past the ear), splashed harmlessly in the water, and next moment the pig was coming straight as a die, apparently meaning mischief. When within five yards, however, he jinked sharply to right, passing full broadside, when I killed him *á-boca-jarro*, as the phrase runs, "at the mouth of the spout."

That idea of "charging at large" is so splendidly romantic, and fits in so appropriately with preconceived ideas, that we almost regret to disturb its semi-fossilised acceptance. But, in mere fact, neither boars nor any other wild beasts "charge" at sight—always and only excepting elephant and rhinoceros, either of which *may* (or may not) do so, though previously unprovoked. It would, at least, be unwise entirely to ignore the contingency of either of these two so acting.

There exist, nevertheless, old and evil-tempered boars that

□# $%&' (‘ %!)#

/-,‘ 6)1.,‘ 43- : 1+/=7,‘ /+?,-5/-1,5‘ ,‘ 9/?,‘ : /*>‘ 5)<9‘ 1*‘ 3)-‘ $3.3‘ 341/*/ A =3/-5‘ .9/.‘ 9/?1*2‘ 3*<,‘ 3?,- : /5.,-,+‘ 3)-‘ 93)*+5‘ ;-/<.1</77>‘ +,4>‘)5‘ /<9‘ 34‘ .9,5,‘ 37+‘ 5371./->‘ .)50,-5‘ 3<<);1,5‘ 53 : ,‘ +,*5,7>‘ =-1/-,+‘ 5.-3*2937+ A 1.‘ : />‘ =,‘ =).‘ /*‘ 1537/.,+‘ ;/.<9‘ 34‘ E)*27,‘ 5</-<,‘ 9/74‘ /*‘ /<-,‘ 1*‘ ,C.,*.‘ 3-‘ /7.,-*/.1?,7>‘ /‘ 71..7,‘ 5,6),*<,‘ 34‘ 51 : 17/-‘ .91<0,.5‘ ,/<9‘ <3**,<.,+‘ =>‘ 1*.,-?/75‘ 34‘ 7129.,-‘ =)59‘)<9‘ 5;3.5‘ /=3)*+‘ =>‘ .9,‘ 9)*+-,+‘ =).‘ 3*<,‘ .9,‘ 7/1-‘ 34‘ 3)-‘ =-15.7,+‘ 4-1,*+‘ 15‘ 43)*+‘ .9,*‘ .9,-,‘ 15‘ 83-0‘ <).‘ 3).‘ 43-‘ : /*‘ 93-5,‘ /*+‘ 93)*+‘ 3-‘ 73*2+-/8*3).‘ : 1*)., 5‘ .9,‘ 517,*<,‘ 34‘ .9,‘ 817+,-*,55‘ -, ,<93,5‘ 81.9‘ +3)=7>‘ <3*<,*.-/.,+‘ 4)-> A 4-/*.1<‘ 93)*+ :)51<‘ : 1*27,+‘ 81.9‘ 738,-‘ /<<3 : ;/*1 : ,*.‘ 34‘ 5)77,*‘ 5/?/2,‘ 5*3-.5‘ /*+‘ 2-)*.5‘ /*+‘ .9,‘ <9/ : ;1*2‘ 34‘ .)505‘ .9,*‘ /‘ 59/-;‘ <-)*<9‘ 34‘ =-,/01*2‘ =3)295‘ ‘ ‘ ‘ /*+‘ .9,‘ +,/.9 >,77‘ 34‘ /‘ ‘ .,775‘ .9/.‘ ‘ =738‘ 9/5‘ 23.‘ 93 : ,‘).‘ .9,‘ 5,/.‘ 34‘ 8/-‘ -,: /1*5‘)*<9/*2,+ A .9,‘ 5/ : ,‘ -)59‘ /*+‘ .9,‘ 5/ : ,‘ 4/./7‘ -,5)7.‘ /-,‘ -,;,/.,+‘ -,5,*.7>‘ 53 : ,‘ ?,*.)-3)5‘ 93)*+‘ : />‘ +15<3?,-‘ /*‘ ,*.->‘ 4-3 : ‘ =,91*+‘ 9,‘ ,*, : >5‘ 47/*0‘ 15‘ .)-*,+‘ /*+‘ 81.9‘ /‘ <-/59‘ .9/.‘ 5,, : 5‘ .3‘ 59/0,‘ .9,‘ ?,->‘ ,/-.9‘ 3)-‘ =3/-‘ -,.-,/.5‘ .3‘ /‘ 5,<3*+‘ 5.-3*2937+‘ 3*7>‘ .8,*.>‘ >/-+5‘ /8/>‘ 77‘ .915‘ 15‘ 3<<)--1*2‘ 81.91*‘ /- : 5‘ 7,*2.9‘ 3*,‘ 9,/-5‘ </*‘ /7 : 35.‘ 4,,7‘ .9,‘ 5.-,55‘ 34‘ : 3-./7‘ <3 : =/.‘ =).‘ 3*,‘ 5,,5‘ *3.91*2‘ 1*51+,‘ .9,‘ :)-/7‘ 4371/2,‘ *3-‘ 0*385‘ 89/.‘ : 3 : ,*.‘ .9,‘ ,*, : >‘ : />‘ 5/77>‘ 43-.9‘)<9‘ : 3 : ,*.5‘ : />‘ ,?,*‘ ,C<1.,‘ 89/./-,‘ .,- : ,+‘ 1*‘ ;/*159‘ ;9-/5,‘ G‘ , : 3.13*5 H

‘ 915‘ 5,<3+‘ 4‘ 7,?*/‘ H‘ 3)-‘ =3/-‘ 15‘ 5,<)-,‘ /*+‘ 9,‘ 0*385‘ 1.‘ 1.9‘ -,/-‘ /*+‘ 47/*05‘ ;-3.,<.,+‘ =>‘ /‘ ‘ 34‘ 2*/-7,+‘ -33.5‘ /*+‘ /‘ 7/=>-1*.9‘ 34‘ 5.,:5‘ 9,‘ 4,/-5‘ *3.91*2‘ =,91*+‘ 8917,‘ .9,‘ 4)-13)57>‘ =/>1*2‘ 93)*+5‘ 3*‘ 915‘ 4-3*.‘ 9,‘ *38‘)..,-7>‘ +,5;15,5‘ 7/*0‘ 593.5‘ 41-,+‘ 1*‘ .9,‘ /1-‘ /7/-:‘ 91 : ‘ *3.‘ *3-‘ 8177‘ ,;,‘ 5;1*/7‘ A 1*‘ /‘ 5,-?1<,‘ 34‘ +/*2,-A 5)<<,,+‘ 1*‘ +1573+21*2‘ 91 : ‘ 81.9‘ /‘ ‘ /4.,-‘ /‘ ;,-173)5‘ <71 : =‘ /73*2‘ .9,‘ =-1/- : /..,+‘ -334‘ 9/.‘ =3/-‘ 15‘ ?1<.3-A : /5.,-‘ 34‘ /‘ 5.-1<0,*‘ 41,7+

,‘ 9) : /‘ -,53)-<,‘ -,: /1*5‘ .3‘ 23‘ 1*‘ ‘ ‘ A 81.9‘ .9,‘ <37+‘ 5.,,7‘ 9,-,‘ /-,‘ +/591*2‘ 5;1-1.5‘ 893‘ 8177‘ +3‘ .915 A 1*‘ ;/1*‘ 8,‘ 9/?,‘ 5,,*‘ 5)<9‘).‘ .3‘ <-/87‘ .9)5‘ ;-35./.,‘ 1*.3‘ .9,‘ +/-0‘ /*+‘ 2733 : >‘ .)**,75‘ .9/.‘ 43- : ‘ /‘ 817+ =3/-5‘ 43-.-,55‘ 1*.,-@ <,;.,+‘ /*+‘ 3=5.-)<.,+‘ 3*‘ ,?,->‘ 51+,‘ .9,-,‘ .3‘ /../<0‘ 1*‘ 51*27,‘ <3 : =/.‘ /‘ 5/?/2,‘ =,/5.‘ 5.177‘)*9)-.‘ /*+‘ 1*‘ .9,‘ 47)59‘ 34‘ ?1<.3->‘ ;/<9>+,-: /.3)5‘ /*+‘ 8935,‘ 4129.1*2‘ 8,129.‘ 4/-‘ ,C<,,+5‘ >3)-‘ 38*‘ A‘ 8,77‘ ‘ 8,‘ ;7/<,‘ 1*‘ .9,‘ </.,23->‘ 34‘ ;)-,‘ -,<07,55*,55

3)-/2,' 15' /' 6)/71.>' .9/.' /77' /+:1-,' .93)29' 3*,' :/>' 83*+,-' 14' 1.' 15' *3.' 53:,.1:,5' 3?,-,5.,,:,+' 89,*' 8,' 41*+' 1.' ;355,55,+' 1*' <3:: 3*' *3.' 3*7>' =>' ?,->' :/*>' 817+=,/5.5' =).' ,?,*' =>' 5/?/2,' -/<,5' 34' 9):/*' 01*+A-/<,5' 891<9' 8,' -,2/-+' /5' G' 738,-H' >,.' *3.' 1*4,-13-' 1*' .9/.' <9,-159,+' 6)/71.>' 34' ;7)<0H

,43-,' >3)' <-/87' 1*' .9,-,' 5.3;' .3' .91*0' 34' .9,' /**3>/*<,' .9,' /<.' :/>' </)5,' *3.' :,-,7>' .3' 3)-' 9)*.' =).' ;3551=7>' .3' /' 814,' 3.9,-815,' .3' 515.,-5' 4-1,*+5' 3-' 935;1./7' *)-5,5' ,?,*' 1.' :/>' =,' .3' /*)*+,-./0,-A .93)29' 9,' 8177' *3.' 3=E,<.

*<,' ?1<.3-13)5' 3?,-' </*1*,' 43,5' 1.' 8177' =,' /' -,:3.,' <9/*<,' 1*+,,+' .9/.' .9/.' =3/-')*7,55' </)29.' =>' :159/;' 1*' 53:,' </-,7,557>' <935,*' 7/1-' 8177' ,?,-' /2/1*' 5938');' /5' /' :/-0' 43-' .9,' 43-,5129.' 34' /' -147,

4.,-' 3*,' 5)<9' -3).' 8,' -,:,:=,-' 41*+1*2' 3)-' 4-1,*+' .9,' ,?,-,*+' /.9,-' 893' 9/+' 5/771,+' 43-.9' 81.9')5' 43-' /' :17+' :3-*1*25' 5933.1*2' ;,-<9,+' 9129');' /:3*2' .9,' =-/*<9,5' 34' /' .93-*>' ' D/' 01*+' 34' E)*1;,-' 89,*<,' 8,' -,5<),+' 91:' <).' /*+' =7,,+1*2' /*+' =/+7>' G' 59/0,*' 1*' *,-?,' XH

,' /++' .9,' 43773381*2' .>;1</7' 1*5./*<,5' 34' =3/-5933.1*2' VA

! (' -' -TOO B ' 73?,7>' 81*.,-5' :3-*' 8/-:' 5)*' /*+' +,/+' </7:' 9,' +15./*.' <-1,5' 34' .9,' =,/.,-5' D*129' .9-,,' :17,5' /8/>' 9/+' E)5.' -,/<9,+' :>' ,/-5' 89,*' /' *,/-,-' 53)*+' -1?,.,+' /..,*.13*A.9,' 534.' ;/..,-' 34' 93345');3*' 5/*+' 9,*' 4-3:' .9,' 43-,5.573;,' =,91*+' /;;,/-,+' /' ;12A=12' /*+' 2-,>A' .-3..1*2' .9-3)29' +,,;' -)59,5' 53:,' 43-.>'>/-+5' /8$/>' 7-,/+>' .9,' 43-,5129.' 8/5' G' .3)<91*2' 3*' H' 1.5' *,<0' 89,*' /' 7)<0>' 5)5;1<13*' 34' 5.-1;,+' ;1271*25' 43773381*2' .9,1-' :3.9,-' /--,5.,+' .9,' =/77' ,C.' </:,' /73*2' /' 2,*.7,' 91*+' 81.9' /77' 9,-' 1*41*1.,' 2-/<,' 34' <3*.3)-' /*+' </--1/2,' .' .8,*.> 41?,' >/-+5' 59,' 4/<,+' 4)77' -3)*+' /*+' 43-' 73*2' 5,<3*+5' 8,' 5./-,+' ,>,' .3' ,>,')-13)5' 1.' 15' .9/.' /=537).,' 6)1,5<,*<,' 8177' ;)117,' .9,' 817+,5.' 34' .9,' 8 17+X /-+7>' 9/+' 59,' ?/*159,+' :1+5.' 43-,5.' 59/+,5' .9/*' 3*<,' /2/1*' .9/.' :)447,+' ;/..,-A.915' .1:,' /*')*:15./0/=7,' .)50,-').' 39X 89/.' /*' /=3:1*/=7,' 593.' ' :/+,A.33' 738' .33' 4/-' =/<0A/)+' 3*8/-+5' 9,' ;)-5),+' 915' <3)-5,' >' 3)-' 43-,5.' 7/85' 1.' 8/5' :>' ' D=3)*+,*' +).>' .3' 437738' .9,' 5.-1<0,*' 2/:,' 77' .9/.' *33*.1+,' /77' .9,' /4.,-*33*A.9-3)29' =)59' /*+' =-/0,' =>' +,77' /*+' +)50>' +,417,A;/.1,*.7>' ;,-515.,*.7>' +1+')/*1773' 5;1*/7' /*+' 437738' ,?,->' .815.' /*+' .)-*' 34' .9/.')*,*+1*2' 5;33-' 9,-,' 8/5' =733+' .3' 9,7;')5' /.' 41-5.' *3*,' .9,-,/4.,-' 9-3)29' .9,' .91<0,.5' 34

/=1*/7‘ .9,*‘ =/<0‘ 3*‘ .9,‘ 7,4.‘ =>‘ #/, 3--/‘ 43-8/-+‘ .9-3)29‘ .9,‘W /--1I/7‘ .9,*<,‘ <-3551*2‘ .9,‘ 3--/7‘ $-/*+,‘ /*+‘ /8/>‘ 1*.3‘ .9,‘ 2-,/.‘J ‘ =,>3*+A /8/>‘ .3‘ .9,‘ 1*<3*‘ +,‘ 735‘ /--1I35‘ .9-,,‘ 5371+‘7,/2),5‘ /*+‘ /‘ =1.‘ .3‘ 5;/-,‘X 9/.‘ 8/5‘ .9,‘ ;-1<,‘ 34‘ /‘ =)*27,+‘ 593.

,-,‘ /.‘ 7/5.‘ 8,‘ 9/?,‘ .-/<0,+‘ 91:‘ .3‘ 915‘ 7/1-‘ 1.91*‘ .9/.‘ 5)77,*‘ 43-.-,55‘ 34‘ .9,‘ 1*<3*‘ 71,5‘ 3)-‘ 83)*+,+‘ =3/-‘ 38‘ .3‘ 2,.‘ 91:‘ 3)./ 15‘ /‘ +144,-,*.‘ ;-3=7,:‘ 93)29‘ 83)*+,+‘ 9,‘ 15‘ 1*‘ *3‘ 8/>‘ +15/=7,+‘ /*+‘ 15‘ -,/+>‘ />,‘ G‘5;3171*2 H‘ .3‘ ;).‘);‘ /‘ 5/?/2,‘ 4129.‘ 43-‘ 915‘ 714,‘ /?1*2‘ ;-,<15,7>‘ 73</.,+‘ 91:‘ 1*‘ /‘ +,*5,‘ ./*27,‘ 34‘7,*.150‘ /*+‘ =-1/-‘ 3)-‘ 51*27,‘ +32‘ /-,.3‘ /‘ ./77‘ 59/22>‘>^34 ,*<3‘ *3.‘)*710,‘ /‘ +,,-93)*+‘ =).‘ 3*‘ 5:/77,-‘ 5</7,‘ 15‘ 7,.‘ 23‘ ;‘ /‘ 2733:>‘ 2/:, ;/.9‘ 9,‘ ?/*159,5‘ /*+‘ 1*‘ /‘ :3:,*.‘ 41,-<,‘ :)51<‘ 5./-.7,5‘ .9,‘ 517,*.‘ 833+5‘ 9,‘ =3/-‘ -,4)5,+‘ .3‘ :3?,‘).‘ 3*,‘ -,53)-<,‘ -,:/1*,+‘ ,‘ :)5.‘ 23‘ 1*‘ .3‘ 9,7;‘ /-,.3‘ <-/871*2);‘ /‘ =-1/-7/<,+‘ .)**,7‘ .‘ 8/5‘ 93--1=7>‘ +/-0‘ /.‘ 41-5.‘ /*+‘ ‘ =,2/*‘ .3‘ .91*0‘ 34‘ ‘ ‘ ‘ 89,*‘ 43-.)*/.,7>‘ .9,‘ 7129.‘ 1:;-3?,+‘ /*+‘ /‘ 4,8‘ >/-+5‘ 4/-.9,-‘ 1*‘ /‘ 5/?/2,‘ 5<,*,‘ 8/5‘ ,*/<.1*2‘ 1*‘ 6)1.,‘ /‘ <3*51+,-@ /=7,‘ 3;,*‘ ,*,/.9‘ 1.5‘ =-/:=7,+‘ -334‘ 8,‘ <3)7+‘ 5./*+‘ 9/74‘);-129.‘ *‘ 1.5‘ 4/-.9,5.‘ <3-*,-‘ 5.33+‘ 3)-‘ =3/-‘ /.‘ =/>‘ /‘ ;1<.)-,‘ 34‘ 5)77,*‘ 4,-3<1.>‘ ;3*‘)/*1773‘ 5‘ /;;,/-/*<,‘ .9,‘ 5<,*,‘ <9/*2,+‘ /5‘ =>‘ :/21<A .9,-,‘ 8/5‘ /‘ -)59‘ /*+‘ -,53)*+1*2‘ <-/59‘ -,<15,7>‘ 89/.‘ 9/;;,*,+‘ +)-1*2‘ .9,‘ .9-,,‘ 5)<<,,+1*2‘ 5,<3*+5‘ +,;3*,*.‘ <3)7+‘ *3.‘ 5,,‘ 1.‘ =,1*2‘ 53‘ 2733:>‘ /*+‘)/*1773‘ 3*‘ :>‘ 4-3*.‘ -,‘ /‘ </-.-1+2,‘ <3)7+‘ =,‘ 593?,+‘ 1*.3‘ .9,‘ =-,,<9‘ .9,‘ 2-,/.‘ =3/-‘ 8‘/5‘ 9,7+‘);‘ /-,.3‘ 9/*21*2‘ 3*‘ .3‘ 915‘ -129.‘ ,/-‘ /*+‘)/*1773‘ 5;-1*21*2‘ 3?,-‘ .9,‘ +32‘ 9/+‘ 5,1I,+‘ .9,‘ 2-157>‘ =,/5.‘ =>‘ =3.9‘ 91*+@ 7,25A/.‘ .9,‘ 93<05A/*+‘ 5.,;;1*2‘ =/<08/-+‘ 81.9‘ 3*,‘ :129.>‘ 9,/?,‘ 47)*2‘ .9,‘ =3/-‘ 51+,73*2‘ 3*‘ .9,‘ ,/-.9‘ ,C.‘ :3:,*.‘ ‘ 9/+‘ +-1?,*‘ .9,‘ 0*14,‘ .9-3)29‘ 915‘ 9,/-.

93)29‘ .9,‘ :,.93+‘ +,5<-1=,+‘ 15‘ -,2)7/-7>‘ ,:;73>,+‘ =>‘ ;/*159‘ 9)*.,-5‘ .3‘ 5,1I,‘ /*+‘ </;.)-,‘ /‘ 83)*+,+‘ 3-‘ G=/>,+H‘ =3/-A /*+‘ 8,‘ 9/?,‘ 5,,*‘ 1.‘ ,C,<),+‘ +3I,*5‘ 34‘ .1:,5A>,‘ 5,7+3:‘ 1*‘ 5)<9‘ /‘ 5;3./5‘ .915‘ <-/:;,+‘ 1*‘ 5;/<,‘ 9/*+1</;;,+‘ =>‘ =/+‘ 7129.‘ /*+‘ 1*.,-<,;.1*2‘ =3)295‘ /*+‘ =-1/-5‘ .‘ 8/5‘ /‘ +-/:/.1<‘ 5<,*,‘ /*+‘ /‘ =37+‘ /<.‘ .9/.‘ =,5;30,‘ <337‘ 9,/+‘ /*+‘ =-/8*>‘ =1<,;5

9,‘ 9,/+‘ 34‘ .915‘ =3/-‘ 9/*25‘ 3*‘ 3)-‘ 8/775‘ .3‘ <3:::,:3-/.,‘ /*‘ ,?,*.‘ 8,‘ /-,‘ *3.‘ 710,7>‘ .3‘ 43-2,.

,‘ -,:,:=,-‘ 43773381*2‘ /‘ 83)*+,+‘ 7>*C‘ 1*.3‘ /‘ 51:17/-‘ 5;3.‘ A/‘ +,,;‘ 937738,+‘ E)*27,‘ ‘ ;/*+,:3*1):‘ 34‘ 5/?/2,‘ 5*/-71*2

#(!&,")!' !#(')*+')3' 8!A ' 66

/*+' 5;1..1*2 ' =/-05' /*+' >3875' 2-,,.,+' 3)-',/-5' /5' 8,' <-/87,+' 1*' 8917,' 3*' -,/<91*2' .9,' </?,-*' .9,' 2-,,*',>,5' 34' .9,' 7>*C' 47/59,+' 710,' ,7,<.-1<' 7129.5' 4-3:' /' +/-0' -,<,55' 93)29' 3*,' 91*+ 7,2' 9/+' =,,*' =-30,*' /*+' .9,' 3.9,-' +/:/2,+' =>' /' -147, =/77 ' >,.' 59,' 9,7+' ,/5>' :/5.,->' 3?,-' 41?,' 3-' 51C' +325 ' 1..1*2' =37.');-129.' 59,' 0,;.' .9,' 73.' /.' =/>' 81.9' 58,,;1*2' 9/74 /-:' =7385 ' 3.' /' +32' +/-,+' <735,' /*+' .9,' =-/?,' 4,71*,' 9/+' .3' =,' 41*159,+' 81.9' .9,' 7/*<,

' ' # ! (' Q' -TOP A 9,' <3?,-.' 8,' 0*,8' =>' 5;33-' 9,7+' /' 41-5. -/.,' =3/-' /*+' 915' :35.' ;-3=/=7,' ' D=-,/0 3).' 8/5' /.' .9,' 433.' 34' /' ;,-;,*+1<)7/-' 5/*+ 8/77' 81.91*' 414.>' >/-+5' 34' 891<9' .9,' 8-1.,-' 9,7+' 2)/-+' 1.91*' =-1,4' :1*).,5' .9,' :)51<' 34' .9,' ;/<0' <3--3=3-/.,+' 89/.' 9/+' =,,*' 43-,@ .37+' =>' 5;33-' 81<,' .9,' =3/-' 81.9' <-/591*2' <3)-5,',*<1-<7,+' .9,' ' 81.91*' ;/551*2' <735,' 1*51+,' :>' ;35.' /<9' :3:,*.' ' 8/.<9,+' 43-' 915' /;;,/-/*<,' /.' .9,' ,C;,<.,+' ;31*.' 3*' .9,' -129.' 9,*' 81.93).' *3.1<,' 3-' 53)*+' 34' =-30,*' =3)29' 5)++,*7>' 9,' 5.33+' 3).51+,' 3*' .9,' 7,4. A /7:35.' =,*,/.9' .9,' 2)* 5' :)II7, A *3.' ,129.' 4,,.' /8/>')<017>' D/5' 9,' 5.33+' 81.91*' :>' 41-1*2 71*,5' .9,' =3/-' 5.,/+4/5.7>' 2/I,+' 1*' .9,' 3;;351.,' +1-,<.13*' *3-' +1+' 5,,0' =>' 57129.,5.' :3?,:,*.' .3' /..-/<.' /..,*.13*' .3' :>' ;-,5,*<,' 3-' 53:,' 5,<3*+5' 8,' =3.9' -,:/1*,+' .9)5' -121+' 9,*' 81.9' 5)++,*' +,<1513*' .9,' =3/-' =3)*+,+' 344' 47>1*2' .9,' 2,*.7,' 573;,' 1*' 4-3*.' /*+' ,-,' 9,' 9/+' ;/55,+' /' >/-+' <7,/-' 34' .9,' 41-1*2 71*,' 4,77' +,/+' 81.9' /' =)77,.' ;7/<,+' 1*' .9,' ;-,<15,' 5;3.

,129.' LQ(' 7=5' <7,/*' /*+' 2-,>' /5' /' +3*0,>

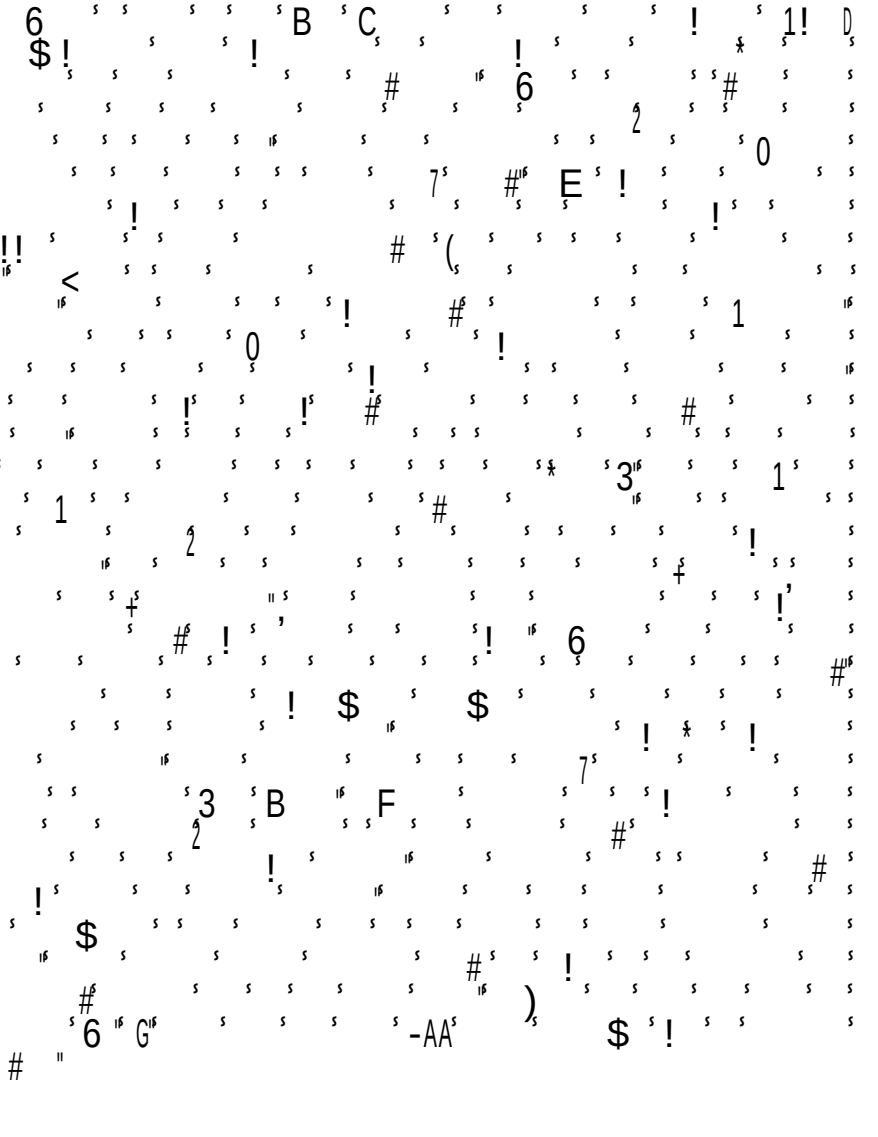
' 83)*+,+' =3/-' 593)7+' /78/>5' =,' /;;-3/<9,+' 81.9' </).13*' ,:,:=,-' 9,' 15' /' ;38,-4)7' =-),.,' ?,->' -,537).,' /*+' 4)-*159,+' 81.9' 6)1.,' 43-:1+/=7,' /-:/:,*.' 891<9' 8917,' 714,' -,:/1*5' 9,' 8177')5,' *,' 34' .9,' =122,5.' /4.,-' -,<,1?1*2' /' =)77,.' 57129.7>' =,738' /*+' =,91*+' .9,' 9,/-.' 8,*.' 57387>' 3*' 53:,' 414.>' >/-+5' 89,*' 9,' 5)=51+,+' =/<0');' /:3*2' 53:,' 2-,,*' 1-15' /74' /*' 93)-' 7/.,-' .9,' 8-1.,-' 517,*.7>' /;;-3/<9,+' 4-3:' +1-,<.7>' =,91*+' .' .,*' >/-+5' .9,' 9,/?1*2' 47/*05' 5938,+' .9/.' ;7,*.>' 34' 714,' -,:/1*,+' /*+' =,/).14)7' 5<1:1./-710,' .)59,5' 8,-,' <3*5;1<)3)5' ,*3)29' 3*' ,1.9,-' 51+,' ' .9,-,43-,' 6)1,.7>' 81.9+-,8' *' /' 0,;,-';-,5,*.7>' -1+1*2');' .9,' =3/-' /.' 3*<,' +/59,+' 3*' /' +32' 47)*2' 91:' /51+,' D7/>1*2' 3;,*' 9/74' 915' -1=5' /*+' <9/-2,+' .9,' 93-5,' 9,' 7/..,-' 8/5' 5:/-.7>' 9/*+7,+' /*+' <7,/-,+' 89,*' .9,' =3/-' 1*5./*.7>' .)-*,+' 3*

□# $%&' (' %!)#

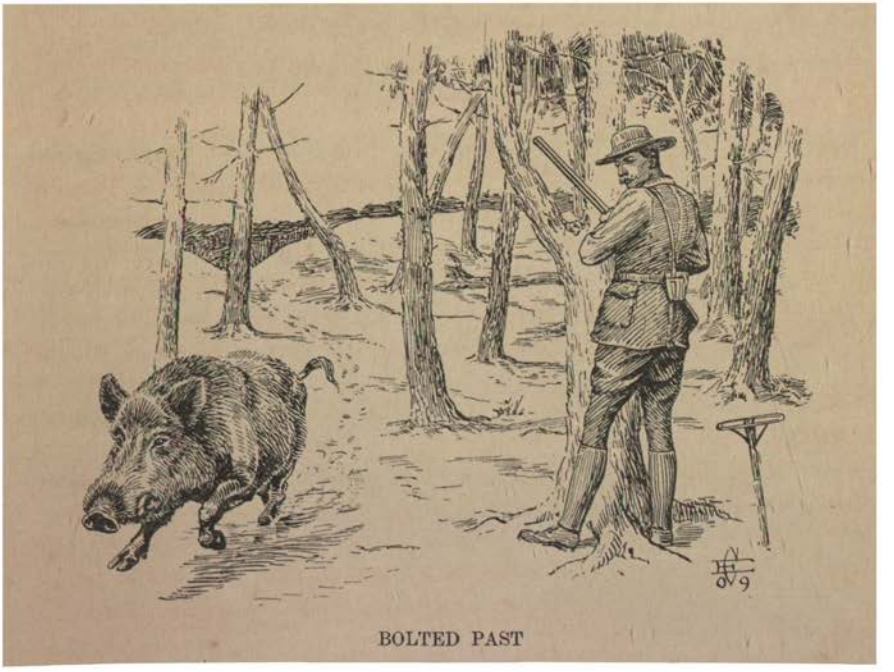
:,' 9,' +/59' 34' .9/.' 3*5,.' 8/5' 5;7,*+1+' .3' 8/.<9')<017>' 9,' 9/+' /' >/-+' 3-' .83' 34' 534.' =32' .3' 2,.' .9-3)29' =).' 1.' 8/5' *,<,55/->' .3' 5.3;' 91:' 81.9' /*3.9,-'=)77,.

:;-,551?,'15'.9,':,*./7'5,*5/.13*' /-3)5,+' 89,*' /*>'5/?/2,' 817+=,/5.A *3-:/77>'.9,'3=E,<.'34';)-5)1.A 5)++,*7>'.)-*5'.9,' ./=7,5' /*+' =,<3:,5' .9,' /22-,553-' 9,' /<.)/7' 1*<1+,*.' 15' *,<,55/-17>'=).' :3:,*./->'>,.' 1.5' ,44,<.' -,:/1*5' 2-/?,*' 3*' .9,' ./=7,.5' 34' :,:3->' 1.>' .15' 53' -/-,

2/1*' 8,' <3*<7)+,' 81.9' /*' 1*+,;,*+,*.' 1:;-,5513*' =>'



I remember, during the gralloch, some dreadfully poor charcoal-burners appearing on the scene to beg for food. This, of course, was gladly conceded; but so famished were those poor creatures that old women filled their aprons with reeking viscera, while it was with difficulty that children could be prevented from starting at once on raw flesh and liver. Truly it was a grievous spectacle, and filled the homeward ride with sad reflections on the awful hardships such poor folk are destined to endure.



BOLTED PAST

In days of rapid change, when, in our own generation, sporting weapons have been at least thrice utterly metamorphosed, it is unwise to be dogmatic. Yet we may summarise our personal experience that the most efficient weapon for all such purposes as here described is that known as the "Paradox," or at least of the Paradox type. The old "Express rifle" (the best in its day, less than a score of years ago, but now mere "scrap") was also useful. But it always fell second to the Paradox, as the latter (being really a shot-gun, equally available for small game, snipe, duck, or geese) came up quicker to the eye for snap-shooting with ball.

The invention of the Paradox type of gun has practically introduced a third style of shooting where there previously existed only two, to wit:—

DL ' $) * 57133.1*2' 81.9' ' 89,-,' /*>' G /1 : H' 3-' ,?,*' /*' /;3732>' 43-' /*' /1 :' 15' 4/./7' .3' : 3+,-*' : /C1 :) :' 5)<<,55

D ' 147, 5933.1*2' ;-3;,-' 891<9' :)5.' =,' : ,<9/*1</7' /*+' +,71=,-/., A .9,' : 3-,' 53' .9,' : 3-,' ,44,<.1?,

D% ' 91-+7>' 8,' 9/?,' .915' *,8' 5>5., :' 1*.,-: ,+1/.,' =,.8,,*' .9,' .83 A G' 2) * 5933.1*2' 81.9' =/77 H

51*2' .9,' /-/+3C' /5' /' -147,' /*' /712*: ,*.' ' =,' ./0,*' B =).' 1.' : />' =,' ./0,*' /5' 81.9' /' K ' /*+' *3.' *,<,55/-17>' .9,' +,71=,-/.,' /*+' : ,<9/*1</7' /712*: ,*.' ,55,*.1/7' 81.9' /' -147,' ;-3;,-7>' 53' </77,+

' 593-.' 81.9' /' /-/+3C' /78/>5' 27/<,' /73*2' .9,' 5129.5' 3)' 8177' *,/-7>' /78/>5' 41*+' .9/.' 53 :,' G -,41*, : ,*.H' 34' /1 :' 15' -,6)1-,+' # 3-,' 83-+5' R-,')5,7,55

,' 83-+' /5' .3' .9,' G' 43-8/-+' /7738/<,' H' *,,+,+' /4.,-' .9,' -3)29' /712*: ,*.' D/5' ,C;7/1*,+' 9/5' =,,*' ,44,<.,+' .' 593-.' 5*/;593.' -/*2,5' *3*,' 15' -,6)1-,+' .' /' 2/773;1*2' 5./2' /.' M!' >/-+5' .9,' 5129.5' 593)7+' <7,/-' 915' <9,5.B /.' L!!' >/-+5' 9/74 /' 7,*2.9' /9,/+' /*+' +3)=7,' .9/.' 43-' LM!' >/-+5' .' .9,5,' 73*2,-' -/*2,5' 3*,' 1*5.1*<.1?,7>' /77385' 43-' G +-3;H' =>' ./01*2' /' 4)77,-' 5129.' 3-' 5./*+1*2' 593.5' 34' <3)-5,' .9,' =/<0 5129.5' </*=,')5,+

() ' *+' ' L ! & M

G' ' ' ' L 5

915' ;1<.)-,56),' /*+' /7.32,.9,-' =-,/0 *,<0' 5.>7,' 34' 9)*.1*2' .9,' =3/-A /' 5.>7,' ;,-9/;5' : 3-,' <3*53*/*.' .9/*' G' +-1?1*2' H' 81.9' ;3;)7/-' *3.13*5' 34' .9,' +/59' /*+' <91?/7->' 34' ;/*159' <9/-/<.,-A 5.177' 5)-?1?,5' 1*' .9,' 817+' ;-3?1*<,' 34' 5.-,: /+)-/' 3' 5;,<1,5' 34' 5;3-.' 1*' 3)-' ,C;,-1,*<,' 8177' <3 : ;/-,' 81.9' .9,' / ' 43-' +/*2_-' /*+' 59,,-' -,<07,55*,55')*7,55' 1.' =,' .9/.' 34' G' -1+1*2' 713*5' H' .3' /' 5./*+' /5' ;-/<.15,+' 3*' -1.159' /5.' 4-1</*' ;7/1*5 R

,/-5' /23' 8,' +,5<-1=,+' .915' 5>5., :' 34' .9,' / ' 1*' .9,' G 12 $/ : ,H' ?37) : ,5' 34' .9,' /+ : 1*.3*' 1=-/->' /*+' 9,-,' 8-1.,' /' *,8' /<<3)*.' <3--,<.1*2' 53 :,' 57129.' ,--3-5' 891<9' 9/+' D.-,;.' 1*.3' .9,' ,/-71,-' /-.1<7,

915' 5;3-.' 15' ;-/<.15,+' =>' : 33*7129./.' .9/.' ;,-13+' 34' .9,' /).) : *' </77,+' .9,' @ ' 89,*' /<3-*5' /*+' <9,5.*).5' 4/77

S' ,,' 0 ') ' =>' =,7 9/;:/*';;' LQL'' 9,' ;/*159'.,-:' $-3)297>' =,'.-/*57/.,+' /5' G -3)*+1*2);H

from the trees, and when droves of domestic swine are turned loose into the woods to feed on these wild fruits. At that date the wild-boars also are in the habit of descending from the adjacent sierras, and wander far and wide over the wooded plains in search of that favourite food.

When the acorns fall thus and ripe chestnuts strew the ground in these magnificent Estremenian forests, the young bloods of the district assemble to await the arrival of the boars upon the lower ground. Two kinds of dog are employed: the ordinary *podencos*, which run free; and the *alanos*, a breed of rough-haired "seizers," crossed between bull-dog and mastiff—these latter being held in leash.

Sallying forth at midnight, so soon as the *podencos* give tongue, the *alanos* are slipped in order to "hold-up" the flying boar till the horsemen can reach the spot.

Then for a while hound-music frightens the darkness and shocks the silence of the sleeping woods; there is crashing among dry forest-scrub, a breakneck scurry of mounted men among the timber, until the furious baying of the hounds and the noisy rush of the hunters converge towards one dark point among the shadows, and in the half-light a great grisly tusker dies beneath the cold steel, but not before he has written a lasting record on the hide of some luckless hound.

A stiff neck and bold heart are essential to these dare-devil gallops, where each horse and horseman vie in reckless rivalry, flying through bush and brake, and under overhung boughs difficult to distinguish amid moon-rays intercepted by foliage above. Accidents of course occur—an odd collar-bone or two hardly count, but what does annoy is when by mistake some wretched beast of domestic race is found held up by the excited pack.

G ' ' ' ' H

' $ # $ ' ' ' ' ' ' ' ' '

7 ! 1 6 1 ' =>' .9,' ;13)5' .3' +15./*.' 59-1*,5' /-,' /' 8,77 0*38*' ;9/5,'1*' .9,' 4/1.9' =3.9' 34' .9,' #357, :' /*+' 34' .9,' 3 : 159' 9)-<9' /*+' -,6)1-,' *3' +,41*1.13*' =>')5' B =).' 3*,' .9/.' 15' >,/-7>' ;,-43- : ,+' .3' /' .1*>' /*+' 1537/.,+' 59-1*,' *3.' /' D 3I,*' : 17,5' 4-3 :' 3)-' 5933.1*2 73+2,' 34' 3*/*/' +,5,-?,5' +,5<-1;.13*

1-5.' /5' .3' 1.5' 3-121*' 8,7?,' 9)*+-,+' >,/-5' /23' 89,*' -/=' <3*6),-3-5' 3?,--/*' ;/1*' :)<9' .-,/5)-,' 34' .9,' <9)-<9,5' 81.9' : /*>' 5/<-,+' , : =7, : 5' -,71<5' ,.<' 8,-,' 9)--1,+7>' <3*<,/7,+' 1*' ;7/<,5' 34' 5/4,.>').' *3.')**/.)-/77>' 51*<,' #33-159' +3 : 1*/@ .13*' ,C.,*+,+' 3?,-' '!!' >,/-5' /77' .-/<,' 3-' -,<3-+' 34' 5)<9' 91+1*2 ;7/<,5' 9/+' 73*2' =,,*' 735.' /*+' 1.' 8/5' : ,-,7>' =>' <9/*<,' /*+' 3*,' =>' 3*,' .9/.' /4.,-' .9,' ,<3*6),5.' .9,' 91++,*' .-,/5)-,5' 8,-,' -,+15<3?,-,+

9,' 5.3->' 34' .9,' -,<3?,->' 34' 3)-' /+>' 34' .9,' ,8' 15' -,7/.,+' .3' 9/?,' 3<<)--,+' 1*' .915' 815,' ' 59,;9,-+' .,*+1*2' 915' 473<05' 1*' .9,' *,129=3)-933+' 34' 7 : 3*.,' 8/5' 1*+)<,+' =>' .9,' 5.-/*2,7>' ,C<1.,+' =/-01*2' 34' 915' +32' .3' 43-<,' /' 8/>' 1*.3' .9,' +,*5,' .91<0,.5' 0*38*' /5' /' 3<1;/' +,' 7/' #/+-,' D/' 833+,+' 58/:;' 4/:3)5' /5' /' =-,,+1*2 ;7/<,' 34' .9,' 5 : /77,-' 9,-3*5' ,2-,.5' /*+' 1=15,5' 1*' .9,' : 1+5.' 34' 891<9' .9,' +32' 7,+' 91 :' .3' /*' /*<1,*.' 937738,+' .-,,' ,-,' 9/74 91++,*' 1*' .9,' </?,-*3)5' .-)*0' .9,' 59,;9,-+' ,5;1,+' .9,' 412)-,' 34' G' /' 1-21*' 34' -/-,' =,/).>' /*+' 34' ,C6)151.,' </-?1*2 H' <73.9,+' 1*' /' .)*1<' 34' 89/.' 9/+' =,,*' 891.,' 71*,*' =).' *38' 5./1*,+' +)77' 2-,,*' .9-3)29' <,*.)-1,5' 34' ,C;35)-,' .3' .9,' 8,/.9,-' /*+' +,8' D-3+3

?,-E3>,+' .9,' 59,;9,-+' =,/-1*2' .9,' 1-21*' 3*' 915' 593)7+,-5' 5,.' 3).' 43-' 7 : 3*.,' +15./*.' .9-,,' 7,/2),5B =).' =,1*2' 3?,-<3 : ,' =>' 4/.12),' /*+' .9,' 8,129.' 34' 915' =)-+,*' 9,' 7/>' +38*' .3' -,5.' =>

DD , ! (. ' * - EF 7/

.9, 8 /> /*+ 4,77 /57, , ; * / 8 / 0, *1*2 9, 43) *+ .9, 1-21* 9/+ 23*, A 59, 9/+ -, .) -*, + .3 9, - 937738 .-, , /?1*2 /5<, -. /1*, + .915 /*+ =, 1*2 *38 4177, + 81.9 4E, /- 9, ; -3<, , +, + /73*, .3 7 : 3*. , 89, -, 9, -, ; 3-., + 915 +15<3?, -> . 3*<, .9, 7</7+, /*+ <7, -2> /<<3 : ; /*1, + 91 : .3 .9, 5; 3. /*+ 41*+1*2 .9, 1 : /2, /5 -, 7/., + / ?38 8/5 .9, * /*+ .9, -, 537, : *15, + .9/. / 59-1*, + , +1</., + .3 +, 7 3<13 593) 7+ =, , -, <., + /. .9, ?, -> 5; 3.

*1.5 =, 1*2 +15<3?, -, + .9/. .915 1-21* 8/5 /=7, .3 ; , -43- : : 1-/<7, 5 /*+ .3 2-/*. ; , .1.13*5 9, - 4/ : , 533* 5; -, /+ /4/- /*+ -, 71213) 5 4, -?3) - 8/C, + 5.-3*2 9) 5 +) -1*2 .9, ; 7/2), 34 LQ(" M! .9, 1-21* 9/?1*2 =, , * -, : 3?, + .3 7 : 3*., /5 / 5/4, 2) /-+ .9, 1*9/=1./*.5 34 .9/. ; 7/<, 8, -, 1 : :) *, 4-3 : .9, ; , 5.17, *<, . 93) 29 , ?, -> 3.9, - 9/ : 7, 8/5 +, <1 : /., + 5, <3*+ : 1-/<7, 8/5 /..-1=) ., + .3 .9, 1-21* /-+ => .9, 59-11E, /. 3<13 8/5 / 5; -1*2 34 8/., - =) 34 5) <9 ; 33- 5) ; ; 7> .9/. 3-+1*/-17> / 51*27, : /* <3) 7+ , : ; .> 1. 81.91* .83 93) -5 > , . +) -1*2 .9, .9-, , +/>5 34 .9, ; 172-1 : /2, .93) 5/*+5 34 : , * /*+ .9, 1- 93-5, 5 <3) 7+ /77 /55) /2, .9, 1- .91-5.

81*2 .3 .9, 5, : /*14, 5./.13*5 +, ?3) . ; , -53*5 , *+38, + .9, 1-21* 34 3<13 81.9 <3*51+, -/=7, 5) : 5 34 : 3*, > 81.9 891<9 / 7/-2, - 59-1*, 8/5 =) 17. 8917, 5) : ; .) 3) 5 2/- : , *.5 7/<, 5 /*+ , : =-31+, -> 81.9 E, 8, 7-> /*+ ; -, <13) 5 5.3*, 5 8, -, ; -3?1+, + 43- 9, - /+3-* : , *. * /++1.13* .3 .915 , ; 71</5 34 .9, 3-121*/7 , 4412> 8, -, : /+, /*+ +15.-1=) ., + /-3) *+ .9, ?177/2, 5 34 .9, *, 129=3) -933+ ; /-.1<) 7/-7> .9, 43773 81*2

	P1755		P1735
/7 : / +15./*.	%	/*)</- +15./*.	(M
# 32), - 0	%!	177/ : /*-16*, 0	L&
: 9-, ., 0	(M	17/5 0	%
), 7?/ 0	QM	7 : 3*., 0	L'
-1/*/	'Q	3-1/ 0	((
3./	MM		

. , /<9 34 .9, 5, /*+ 3.9, - ; 7/<, 5 G -3.9, -933+5 H >% 2 /44171/., + .3 .9, 3-121*/7 /. 3<13 8, -, , 5./=7159, + .3 2) /-+ .9, 5, , 44121, 5 B /*+ 1. 15 4-3 : .9, 5, ; 31*.5 .9/. , ?, -> 91.5) *.1+, .9, ?/-13) 5 ; 172-1 : 4-/., -*1.1, 5 E3) -*, > 43-.9 /<-355 .9, 8/5., 5 .38/-+5 3<13 , /<9 -3.9, -933+ =-1*21*2 1.5 38* </-?, + -, ; 71</ .3 ; /> 1.5 /**) /7 93 : /2, .3 1.5 </-?, + ; -3.3.>; ,

* .9, 5; -1*2 34 L"L! .9, /) .93-5 /.., *+, + ! 7-, /+> .9, *129. =, 43-, ; -, : 3*1.3-> 5> : ; .3 : 5A .9, .) *1*2) ;

□# $%&' (' %!)#

34'414,' /*+' +-) : A 9/+' =, ,*' /)+1=7,' /*+' +)-1*2' .9,' .8,7?, : 17, -1+,' *,C.' : 3-*1*2' 4-,59' <3*.1*2,*.5' 81*+1*2' .9-3)29' .9,' 5<-)=' <7/+' ;7/1*' 8,-,' <3*5./*.7>' 5129.,+' /77' <3*?,-21*2');3*' 3<13' .' 8/5' *3.' 938,?,-' .177' -,/<91*2' .9/.' 9/:7,.' .9/.' .9,' 4)77' ,C.,*.' 34' .9,' ;172-1 : /2,' =,</:,' /;;/-,*.' /*+' /' 5.-101*2' /*+' <9/-/<.,-15.1<' 5;,<./<7,' 1.' 43-:,+' -3:' ,?,->' ;31*.' 34' .9,' <3:;/55' 8,-,' +,5<-1,+' 73*2' 417,5' 34' 891., .17.,+' 3C 8/223*5A' 9)*+-,+5' 34' .9, : A 573873>' /+?/*<1*2' /<-355' .9,' 4738,-5./--,+' ;7/1*'B .9,' 8/223*5' /77' =,+,<0,+' 1*' 2/7/' 5.>7,' <-/::,+' .3' .9,' 7/5.' 5,/.' 81.9' 2)1./-.3)<91*2' 21-75' 81.9' 5:171*2' +),**/5' /*+' /..,*+/*.' 56)1-,58' .9,' 3C.,/:5' 2/17>' </;/-153*,+' /*+' ,5<3-.,+' =>' ;-/*<1*2' </?/71,-5' :/*>' 81.9' 814,' 3-' +/)29.,-' :3)*.,+' ;17713* 815,' =,91*+' 8917,' >3)*2,-' ;172-1 : 5'<9/77,*2,+' 1 : ;-3 : ;.)' .-1/75' 34' 5;,,+A /' 5,-1,5' 34' :1*3-' 5.,,;7,<9/5,5' 9,-,' 8,-,' 43)-1* 9/*+' =-/0,5' :)7,.,/:5' /*+' +3*0,> </-.5' ;13)5' ;,+,5.-1/*5A /' :3.7,>' ;/-/+,' ,*?,73;,+' 1*' <73)+5' 34' +)5.' /*+' *315,' =).' /77' 1*' ;,-4,<.' 3-+,-

9,' 43773381*2' 6)/1*.' +,5<-1;.13*' 8/5' 8-1..,*' +38*' 43-')5' =>' /' ;/*159' 4-1,*+' 893' /<<3:;/*1,+')5'VA

=3).' (' # ' 8917,' .9,' <3*?,-21*2' </-/?/*5' 8,-,' >,.' /' : 17,' 3-' 53' /41,7+' /77' 9/7.,+' ,/<9' .3' 3-2/*15,' 1.5' 38*' ;-3<,5513*' /*+' ,/<9' 9,/+,+' =>' .1,' 8/223*' =,/-1*2' 1.5' 38*' 1-21*' =,+,<0,+' 1*' 23-2,3)5' /;;/-,75' 34' 5170' /*+' 517?,-' =-/1+' 9,*' .3' .9,' /<<3:;/*1:,*.' 34' =/*+5' /*+' =,77 -1*21*2' 9/*+ <7/;;1*2' /*+' </5./*,.5' +-):' ./:=3)-1*,' /*+' 2)1./-' 81.9' 47/25' 47>1*2' /*+' 5.,,+5' <)-?,..1*2' .915' 51*2)7/-' <3:=1*/.13*' 34' -,71213)5' -1.,' 81.9' :)51</7' 4/*./51/' -,5):,+' 1.5' /+?/*<,' 1*.3' .9,' ?177/2,

,5;1.,' .9,' +)5.' /*+' <-)59' *3.' /')*1.' =).' 9,7+' 1.5' /5512*,+' ;351.13*' /*+' .9)5A 3*,' 73*2' ;-3<,5513*' 5)<<,,+1*2' /*3.9,-A .9,' 8R937,' <3*<3)-5,' 417,+' 1*.3' .9,' ?177/2,' <-355,+' 1.5' */--38' 2-,,*' /*+' 53)29.' .9,' 59-1*,' 89,-,' 81.91*' .9,' 3;,*' +33-5' .9,' 1-21*' 34' 3<13' -,:3?,+' 4-3:' .9,' /7./-' 8/5' ;7/<,+' .3' -,<,1?,' .9,

93 : /2, 34 .9, -3.9,-933+5 5 , /<9 , ;71</ -, /<9,+ .9, 5;3. 1.5 =, /-,-5 9/7.,+ /*+ 0*,7. 8917, ,C; ,-.+-1?,-5 ,?,* : /+, .9,1- 3C ., / : 5 0*, ,7 +38 *1* 5) = : 15513* =,43-, .9, G _) , , * 34 , /?,* /*+ /-.9 H 9,-, 8/5 =) . /* : 3 : , *. 5 +,7/> * 3-+1+ </5./*, .5 /*+ 53*2V <, /5, 43- /* 1*5./*. /., - 1* .9, ,?,*1*2 </ : , .9, ;-3<,5513*5 34 .9, 35/-13 89,* , /<9 34 .9, ?151.1*2 -3.9,-933+5 : /0, /* <,-, : 3*13)5 </77) ;3* .9, ,*13- -3.9,-A .9/. 15 .9, ,-: 1.34 3<13 A /4.,- 891<9 , /<9 <3*4-/.,-*1.> 81.9 7,55 <,-, : 3*> =) . : 3-, E3?1/71.> ?151.,+ .9, </ : ;5 34 .9, 3.9,-5 915 7/5. 8/5 /<<3 : ; /*1,+ => = /*+5 : /55,+ <931-5 /*+ 1 = 9,* .9, 4,5.1?/7 -,537?,+ 1.5,74 53 4/- /5 8, <3)7+ E)+2, 1*.3 /* ;)-,7> 5,<)7/- /44/1-A 4,/5.1*2 : ,--> : /01;2 +/*<1*2 .177 4/- 3* 1* .9, *129.

/1* 9/+ 5, .1* /. +)50 /*+ 8/5 *38 4/771*2 4/5. 3<13 15 =) . /* .1*> 9/ : 7, .A 5/> .83 5<3-, 34 9) : =7, <3.5A >, . .3 *129. Q!!! ; ,3;7, 3<<) ;1,+ 1. .9, 83 : , *4370 57, , ;1*2 1*51+, .9,1- </*?/5 .17., + 3C 8/223*5 .9, : , * 7>1*2 ; -3 : 15<)3)57> 3* .9, 2-3) *+ =, *, /.9

)*+/> 15 3<<) ;1,+ 81.9 -,71213)5 <,-, : 3*1,5 =,21**1*2 81.9 129 # /55 9,5, 8, 8177 *3. /.., : ; . .3 +,5<-1=, A *3- <3)7+ 8, 14 8, 83)7+ 9, ; /*159 4-1, *+ 893 /. 3)- -,6), 5. E3.., + +38 *1 53 : , *3., 5 3* .9, !)5,5 .9, 43773 81*2 ,C; -,5513*5 VA

6 1! # (C ! (! ! (!

1 .9, # 3+/> : 3-*1*2 /4., - E31*. /.., *+/*<, 34 /77 .9, -3.9,-933+5 /. # /55 437738, +=> / 5,-: 3* .9, 1: /2, 34 .9, 1-21*1 15 43-: /77> -, ;7/<,+) ;3* .9, /7./- D.9, 4, ,. -,5.1*2) ;3* .9, 5/ : , 937738 .-) *0 1* 891<9 .9, 412)-, 8/5 41-5. 43)*+ .9, *.9, ; -3<,5513*5 /-, -,43-: ,+ /*+ .9, 73*2 93 : , 8/-+ E3)-*, > .3 .9,1- -,5; ,<.1?, +,5.1*/.13*5 =,21*5

7.93)29 : /*> .93)5/*+5 34 ; ,3;7, >, /-7> /.., *+ .915 4,5.1?/7 /77 , *.1-,7>) *<3*.-377,+ => /*> /).93-1.> >, . 6)/--,75 /*+ +15.)-=/*<, /-,) *0*38* 9, : ,-, <-> 34 G ?1?/ 7/

&' □# $%&' (' %!)#

1-2,*'H' 5)441<,5' /.' 3*<,' .3' /;;,/5,' 1*<1;1,*.' /*2,-5' 593)7+' 5)<9' /-15,' 93)5/*+5' 34' 93-5,5' /*+' +3*0,>5' :3-,3?,-' /-,' /7738,+' .3' -3/:' /=3).')*.,*+,+' /*+')*2)/-+,+' /5' .9,-,' 15' *3' +/*2,-' 34' .9,1-' =,1*2' 5.37,*

9,' 1-21*' 34' .9,' 3<13' 1.' /;;,/-5' 5;,<1/715,5' 1*' /<<1+,*.5' /*+' :/*>' ?3.1?,' ;1<.)-,5' 9)*2' 81.91*' .9,' 59-1*,' 177)5.-/.,' .9,' */.)-,' 34' 9,-' :1-/<7,5' *,' :/*' 15' +,;1<.,+' 4/771*2' 9,/+73*2' 4-3:' /' 414.9 5.3-,>' 81*+38' /*3.9,-' 4-3:' /' 734.>' ;1*,' /' .91-+' +-38*1*2' 1*' /' .3--,*.1/7' 4733+B' /' 7/+>' 15' .9-38*' =>' /' :)7,' /*3.9,-' -)*' 3?,-' =>' /' </-.' /' 7/+' </)29.' =>' /*' 1*4)-1/.,+' =)77B' /' =,/.141< 73301*2' ;,-53*' 5./*+5' 9/-:7,55' /:1+5.' 41,->' 43-0,+' 7129.*1*2A /;;/-,*.7>' ,*E3>1*2' 1.' -3:' /77' .9,5,' /*+' 3.9,-' /;;/771*2' 43-:5' 34' +,/.9' .9,' 5)-?1?3-5' 9/?1*2' =,,*' 5/?,+' =>' .9,' 1-21*5' :1-/<)73)5' 1*.,-;351.13*' 9/?,' ;13)57>' <3*.-1=).,+' ;1<.3-1/7' ,?1+,*<,' 34' .9,' ?/-13)5' 3<<)--,*<,5

' 53:,89/.' 2-),53:,' -,71<' -,<3-+5' .9,' 1*<1+,*.' .9/.' /' :3.9,-' 9/?1*2' ?38,+' .9/.' 593)7+' 9,-' +/)29.,-' =,' -,5.3-,+' .3' 714,' 59,' 593)7+' 8/70' .3' 3<13' 1*' 9,-' 2-/?, <73.9,5A /*+' .9,-,' .9,' 5/1+' <73.9,5' 71,' /5' ,?1+,*<,' 34' .9/.' :1-/<7,'

9,' 4,5.1?/7' /=3?,' +,5<-1=,+' 15' <,7,=-/.,+' ,/<9' 5;-1*2' /.' ,*.,<35.' 9,-,' 15' 938,?,-' /' 5,<3*+' >,/-7>' ;172-1:/2,' 1*.3' 3<13' 891<9' 3-121*/.,+' 1*' .915' 815,

&' -P-O' 7 (&' (' 5(&+' "++ ,%()' %!' +" & 54' (' 8%''$9(' "6' '3"& (' 7$!' (')' #4' 7"' 5"",!' "6' +8'54' 7 "' 7(5(' (&9$9()' %&' %3,5(!!%&9' 5(+5 %!' 65"3' $3"&9' (' &(%9 #" 5%&9' ,($!$& 54' (!(' &$ 5$''4' "# (+ ()' "' !(58(' (' (&(34' # ' 3$&4' 7(5(' (55"5%!()' %& "' "#()%(&+(' "')(5' !,%5% !' (5(' 7(5(' "7(8(5' $&)' (!(' "' (' & 3#(5' "6' %5 42!%*' 5(!"'8()' "' !5%:(' $ #'"7' 6"5' 65(()"3' $8%&9' $!!(3#'()' %&' (' %+:' 7"")!' " !%)(' '3"& (' $' 7"' "E+'"+:' "&(' $6 (5&""&' (4' 6(''' ,"&' (' &I ! !,(+%&9' 5(&+' $&)' (5(' (!(' +" ')')(6(&)' (3!('8(!' 3$&4' 7(5(' :%''()' $&)' " (5!' 3$)(' ,5%!"&(5!' %&$''4' (' 5(&+' +"33$&)(5' 7$!' ! "')($)' "&' %!' "7&')""5! (,' >' (' 8%''$9(5!' "6' '3"& (' 7(5(' "55%6%()' $' 7 $' $)' "++ 55()' 6"5' $' " 9' (4' $)' $)' &"' $&)' %&' (' 3$ (5' (4' 6('' ! 5(' (4' 7" ')' $8(' "' #($5' (' #'$3(' ?B !"' 5 &!' $' ,$&%!' $++" &

9,' 4,8' -,*<9' .-33;,-5' 893' 9/+' ,5</;,+' 47,+' .3' ,?177,' -,;3-.,+' .9,' /44/1-' /*+' D8-3*27>' 1*<-1:1*/.,+' .9,' ?177/2,-5' 34' 7:3*.,A;-,<15,7>' /5' .935,' 83-.91,5' 9/+' 43-,5,,*' 9,' $,*,-/7

commanding at Seville ordered that Almonte should be razed to the ground and its inhabitants beheaded—that being the penalty decreed by Murat for any shedding of French blood. A detachment of dragoons, despatched to Almonte, had already taken prisoner the mayor, the priests, and all the chief inhabitants preparatory to their execution. In this grave situation they bethought themselves to pray to the Virgin of Rocío, promising that if she would rescue them from their deadly peril, they would institute a new pilgrimage to her shrine for thanksgiving.

Already the detachment of French soldiers detailed to carry out the executions had reached Pilas, a village within six leagues of Almonte, when, by mere coincidence, a handful of Spanish troops flung themselves against the French positions at Seville. The French, thinking that their assailants must be the forerunners of a larger army, hurriedly recalled all their outposts, including those commissioned to destroy Almonte!

Thus the wretched Alcalde and his fellow-prisoners were saved; for, their innocence of the "crime" being presently established, the town was let off with a fine. Since then, in accordance with the promise made 100 years ago, the whole of Almonte repairs every 7th of August to the shrine of Nuestra Señora del Rocío.

PRAYING MANTIS (*Mantis religiosa*)

CHAPTER VIII

THE MARISMAS OF GUADALQUIVÍR

THE DELTA

FROM Seville to the Atlantic the great river Guadalquivír pursues its course through seventy miles of alluvial mud-flats entirely of its own construction. The whole of this viewless waste (in winter largely submerged) is technically termed the marisma; but its upper regions, slightly higher-lying, have proved amenable to a limited dominion of man, and nowadays comprise (besides some rich corn-lands) broad pasturages devoted to grazing, and which yield *Toros bravos*, that is, fighting-bulls of breeds celebrated throughout Spain, as providing the popular champions of the Plaza.

AVOCET

It is not of these developed regions that we treat, but of the Lower Delta, which still remains a wilderness, and must for centuries remain so—a vast area of semi-tidal saline ooze and marsh, extending over some forty or fifty miles in length, and spreading out laterally to untold leagues on either side of the river.

This Lower Delta, the marisma proper, while it varies here and there by a few inches in elevation, is practically a uniform dead-level of alluvial mud, only broken by *vetas*, or low grass-grown ridges seldom rising more than a foot or two above the

- ' !)+A!+' ' ' 8 , ! (!&H ,)2) ' 7

47/. ' /*+' 891<9' ?/->' 1*' ,C. , *. ' 4-3 : ' /' 4, 8' >/-+5' .3' 9) *+-, +5' 34' /<-, 5' 9, ' ; -, <15, ' 2, 37321</7' </)5, ' 34' .9, 5, ' ' 8, ' 0*38' *3. B =) .' .9, ' </7</-, 3)5' : /. . , -' 34' 891<9' .9, >' /-, ' <3 : ; 35, + A .9, ' +, =-15' 34' : >-1/+' +151*. , 2-/. , +' 5, / 59, 775' : 35.7>' =1?/7?, 5 A ; -3?, 5' .9/.' .9, ' 3<, /*' /.' /*' , /-71, -' ; , -13+' 9, 7+' 58/>' .177' 2-/+) /77>' +-1?, *' =/<08/-+5' =>' .9, ' .3--, *.5' 34' /77) ?1/7' : /. . , -' </--1, +' +38*' =>' .9, ' -1?, -' /*+' 41*/77>' 43-<, +' =, 91*+' .9, ' ?/5.' 5/*+ =/--1, -' *38' 0*38*' /5' .9, ' $3.3' 3*/*/ A .9, ' =) 44, -' </77, +' 1*. 3' =, 1*2' 89175.' /2, 73*2' 5.-) 227, 5' -/2, +' =, . 8, , *' .9, 5, ' . 83' 3; ; 351*2' 43-<, 5' 9, ' 4/<.' 154) -.9, -' , ?1+, *<, +' =>' .9, ' 5/7.' <-) 5.' 891<9' >, /-7>' 43-: 5' 3*' .9, ' 5) -4/<, ' 34' .9, ' 738, -' : /-15 : /' 89, *' .9, ' 5) : : , -' 5) *' 9/5' , ?/; 3-/. , +' 1.5' 8/. , -5

*' 5) : : , -' .9, ' : /-15 : /' 15' ; -/<.1</77>' /' 5) * 5<3-<9, +' :) + 47/. B 1*' 81*. , -' /' 59/7738' 1*7/*+' 5, /' 81.9' .9, ' ' 5./*+1*2' 3) .' 710, ' 157/*+5

9, -, ' /-, ' /5' /7-, /+>' 5./. , +' 57129.' 73</7' ?/-1/.13*5' 1*' ,7, ?/.13*' /.) -/77>' .9, ' 738, -7>1*2' /-, /5' /-, ' .9, ' 41-5.' .3' -, ./1*' : 315.) -, ' 53' 533*' /5' .9, ' 73*2' .3--1+' 5) : : , -' 9/5' ; /55, +' /8/>' /*+' /) .) : *' -/1*5' =, 21*' ; , , +17>' .9, 5, ' =, <3 : , ' 59/7738' 7/233*5' ., - : , +' I' A 51 : 17/-' 8, ' 1 : /21*, ' .3' .9, ' $ ' 34' *+1/ A /*+' /' 8, 7<3 : , ' 9/?, *' .9, >' /443-+' .3' .9, ' /+?/*<, 2) /-+' 34' 1 : : 12-/*.' 817+4387' 4-3 : ' .9, ' *3-.9

7/*. 714, ' 1*' .9, ' : /-15 : /5' 15' -, 2) 7/., +' =>' .9, ' -, 7/.1?, ' 5/7.*, 55' 34' .9, ' 5317' *' .9, ' +, , ; , -' ' *3' ?, 2, ./.13*' </*' 5) =515. B =) .' 89, -, ' .9, ' 7, ?, 7' -15, 5' .93) 29' =) .' /' 4, 8' 1*<9, 5' /*+' .9, ' 2-3) *+' 15' 7, 55' 5/71*, ' .9, ' 9/-+>' 5/ : ; 91-, ' D1*' ; /*159' $ ' /; ; , /-5' <3?, -1*2' 81.9' 1.5' 5 : /77' 1537/., +' =) 59, 5' ?/5.' 5.-, .<9, 5' 34' .9, ' 738, -' : /-15 : /

9, ' $ ' 891<9' 15' 43- : , +' 34' /' <3*2, -1, 5' 34' 47, 59>' .8125' 7, /47, 55' /*+' E31*., +' : 3-, ' 710, ' .9, ' : /-1*, ' ' .9/*' /' 7/*+ ; 7/*. ' =, 73*25' .3' .9-, , ' 5; , <1, 5' /5' 43773855' VA

DL ' ' ' : /-59 5/ : ; 91-, B' 1*' ; /*159 ` /; =1/

D, /' ' ') ' 4' LLL' ; /*159' M' $

D% ' (6 , `J J ' , $

77' .9-, , ' =, 73*2' .3' .9, ' */.) -/7' 3-+, -' ' D3-' G' $335, 433.' H' 4/ : 17>

9, ' $ ' 15' .9, ' .>; 1</7' ; 7/*.' 34' .9, ' : /-15 : /' 473) -1591*2' ,?, *' 89, -, ' .9, -, ' 15' /' <3*51+, -/=7, ' ; , -<, *./2, ' 34' 5/7.' 1*' .9, ' 5317' 915' /6) /.1<' 59-) =' 1*<-, /5, 5' : 35.' 1*' +-' 5, /53*5' /' 5, -1, 5' 34' 8, .' 81*., -5' 9/?1*2' /' +15/5.-3) 5' , 44, <.' 3*' 1.5' 2-38.9' 9, ' $

above mentioned, has a curious effect when eaten by mares (which is often the case when other food is scarce) of inducing a form of intoxication from which many die. Indeed, the deaths from *Ensapinadas* represent a serious loss to horse-breeders whose mares are sent to graze in the marismas. Cattle are not affected.

SAMPHIRE

Formerly the *Sapina* possessed a commercial value, being used (owing to its alkaline qualities) in the manufacture of soap. Nowadays it is replaced by other chemicals.

Here and there, owing to some imperceptible gradient, the marisma is traversed by broad channels called *caños*, where, by reason of the water having a definite flow, the soil has become less saline. The *armajo* at such spots becomes scarce or disappears altogether, its place being taken by quite different plants, namely: Spear-grass (*Cyperus*), *Candilejo*, *Bayunco*, the English names of which we do not know.

Efforts have been made from time to time to reclaim and utilise portions of the marisma by draining the water to the river; but failure has invariably resulted for the following reasons:

(1) The intense saltness of the soil.

(2) That the marisma lies largely on a lower level than the river banks.

(3) The river being tidal, its water is salt or brackish.

There are vast areas of far better land in Spain which might be reclaimed with certainty and at infinitely less cost.

The only human inhabitants of the marisma are a few herdsmen whose reed-built huts are scattered on remote *vetas*. There are also the professional wildfowlers with their *cabresto*-ponies; but this class is disappearing as, bit by bit, the system of "preservation" extends over the wastes. Though the climate is healthy enough except for a period just preceding the autumn rains, yet our keepers and most of those who live here permanently are terrible sufferers from malaria. Quinine, they tell us, costs as much as bread in the family economy.

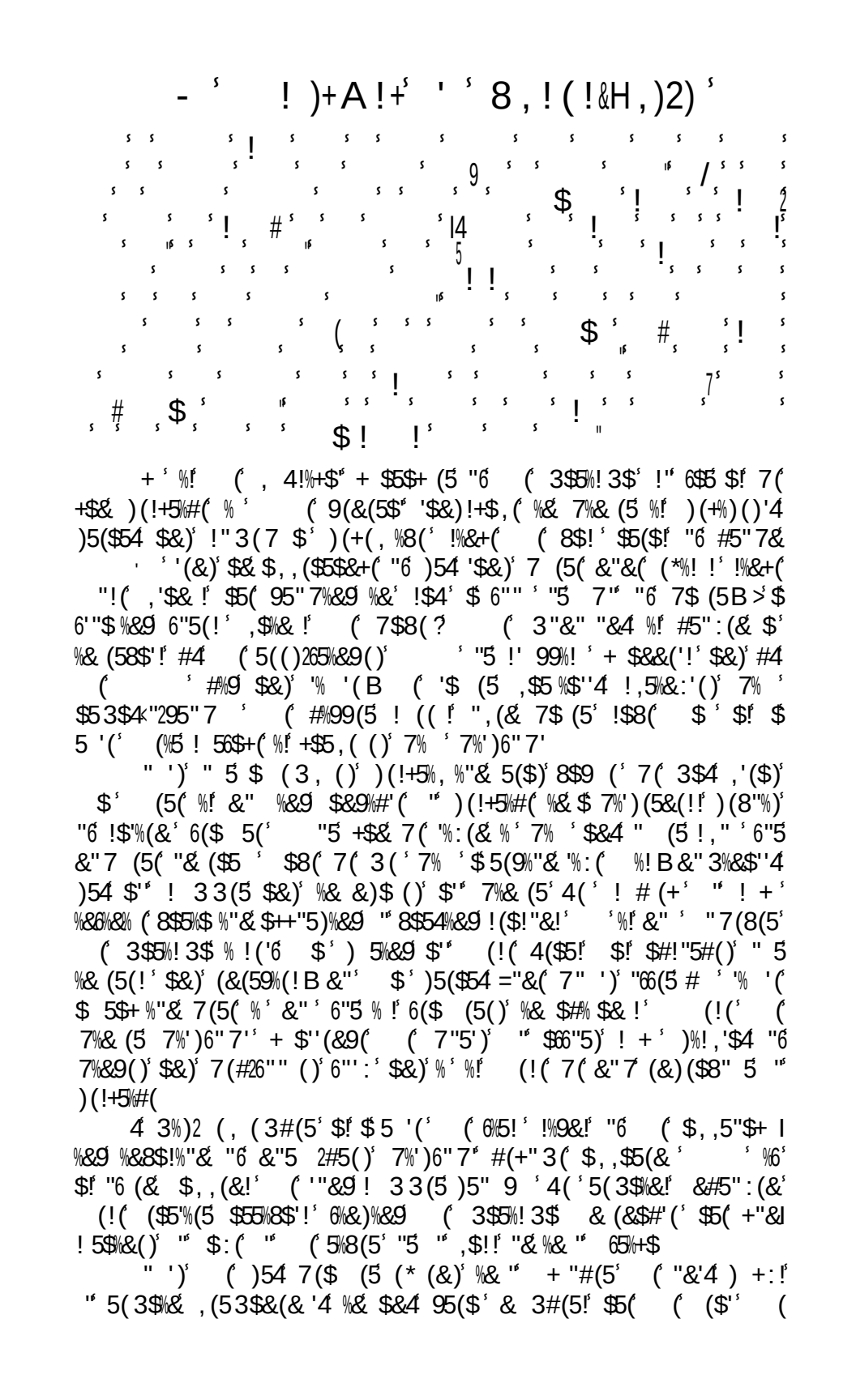
We quote the following impression from *Wild Spain*, p. 78:—

The utter loneliness and desolation of the middle marismas call forth sensations one does not forget. Hour after hour one pushes forward

GUNNING-PUNT IN THE MARISMA.
(NOTE THE HALF-SUBMERGED SAMPHIRE-BUSHES.)

WILD-GOOSE SHOOTING ON THE SANDHILLS.
(NOTE TIN DECOYS, ALSO SOME NATURAL GEESE.)

VASQUEZ APPROACHING WILDFOWL WITH CABRESTO-PONY.



few big ducks then shot being either immature or in poor condition, from which it may be inferred that the main bodies of all species have passed on to more congenial regions.

About the 25th September the first greylag geese appear. These are not affected by the scarcity of water in any such degree as ducks, since they only need to drink twice a day, morning and evening, and make shift to subsist by digging up the bulb-like roots of the spear-grass with their powerful bills.

GREYLAG GEESE

But so soon as autumn rains have fallen, and the whole marisma has become supplied with "new water," it at once fills up with wildfowl—ducks and geese—in such variety and prodigious quantities as we endeavour to describe in the following sketches.

Wildfowl—'twixt Cup and Lip

Wildfowl beyond all the rest of animated nature lend themselves to spectacular display. For their enormous aggregations (due as much to concentration within restricted haunts, as to gregarious instinct, and to both these causes combined) are always openly visible and conspicuous inasmuch as those haunts are, in all lands, confined to shallow water and level marsh devoid of cover or concealment.

Thus, wherever they congregate in their thousands and tens of thousands, wildfowl are always in view—that is, to those who seek them out in their solitudes. This last, however, is an important proviso. For the haunts aforesaid are precisely those areas of the earth's surface which are the most repugnant to man, and least suited to his existence.

In crowded England there survive but few of those dreary

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In such years of drought many of the newly arrived wildfowl, especially pintails, pass on southwards (into Africa), not to return till February. The remainder crowd into the few places where the precious element—water—still exists. Such are the rare pools that are fed from quicksands (*nuclés*) or permanent land-springs (*ojos*) and a few of the larger and deeper *lucios* of the marisma.

Riding through stretches of shrivelled samphire we frequently spring deer, driven out here, miles from their forest-haunts, by the eager search for water.

Approaching the first of the great *lucios*, or permanent pools,

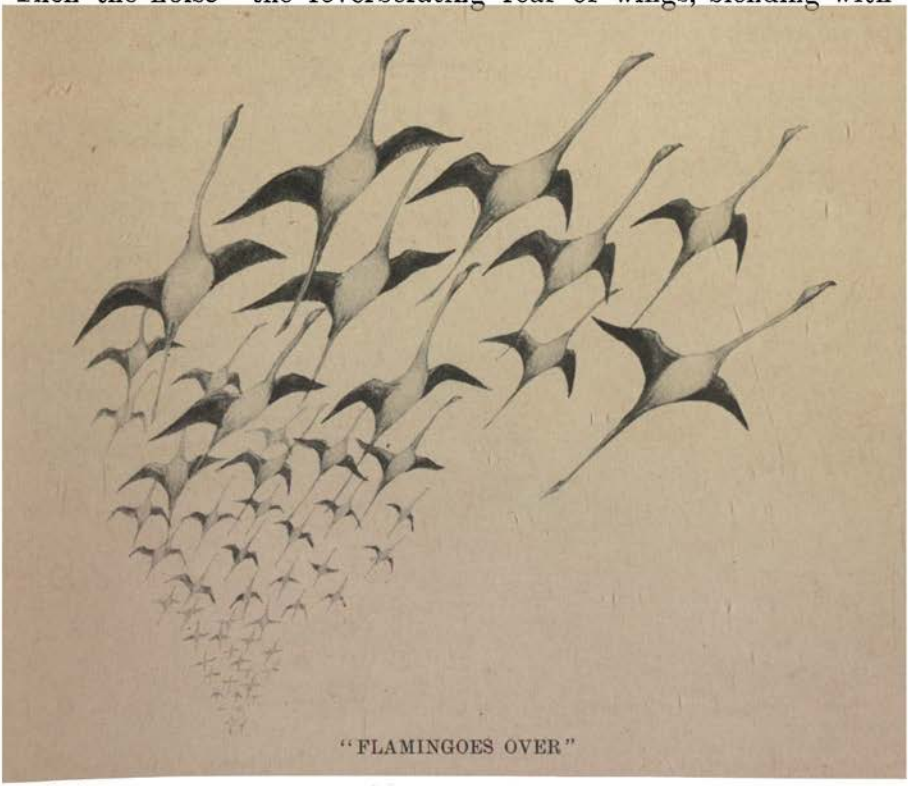
WHITE-EYED POCHARD (*Fuligula nyroca*)

a wondrous sight lay before our eyes. This water might extend for three or four miles, but was literally concealed by the crowds of flamingoes that covered its surface. For a moment it was difficult to believe that those pink and white leagues would really be all composed of living creatures. Their identity, however, became clear enough when, within 600 yards, we could distinguish the scattered outposts gradually concentrating upon the solid ranks beyond. Disbelieve it if you will, but four fairly sane Englishmen estimated that crowd, when a rifle-shot set them on wing, to exceed ten thousand units—by how much, we decline to guess.

The nearer shores, with every creek and channel, were darkened

by masses of ducks, huddled together like dusky islets; while further away several army-corps of geese were striving, with sonorous gabble, to tear up tubercous roots of spear-grass (*castañuela*) from sun-baked mud.

It was a rifle-shot at these last that finally set the whole host on wing—an indescribable spectacle, hurrying hordes everywhere outflanked by the glinting black and pink glamour of flamingoes. Then the noise—the reverberating roar of wings, blending with



"FLAMINGOES OVER"

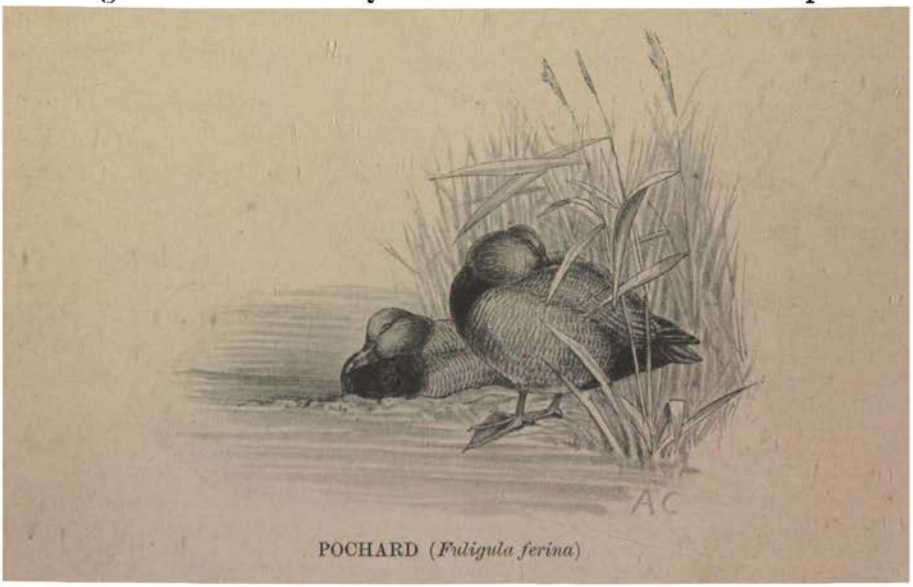
a babel of croaks and gabblings, whistles and querulous pipes, punctuated by shriller bi-tones, . . . we give that up.

A long ride in prospect precluded serious operations to-night, but towards dusk we lined out our four guns, and in half an hour loaded up the panniers of the carrier-ponies with nearly three score ducks and geese.

An hour before the morning's dawn we were in position to await the earliest geese. Experience had taught the chief flight-lines, and these, over many miles of marsh, were commanded by lines of sunken tubs. These, however, the exceptional conditions had rendered temporarily useless. Our tubs lay miles

from water; hence each man had to hide as best he could, prostrate behind rush-tuft or twelve-inch samphire.

This morning, however, the greylags flew wide and scattered, in strange contrast with their customary regularity. We noticed the change, but knew not the cause. The geese did. The barometer during the night (unnoticed by us at 4 A.M.) had gone down half an inch, and already, as we assembled for breakfast at ten o'clock, rain was beginning to fall—the first rain since the spring! The wind, which for weeks had remained "nailed to the North—*norte clavado*," in Spanish phrase—flew to all airts, and a change was at hand. By eleven there burst what the Spanish



POCHARD (*Fuligula ferina*)

well name a *tormenta*; lightning flashed from a darkened sky, while thunder rolled overhead, and rain drove horizontal on a living hurricane. An hour later the heavens cleared, and the sun was shining as before. That short and sudden storm, however, had marked an epoch. The whole conditions of bird-life in the marisma had been revolutionised within a couple of hours.

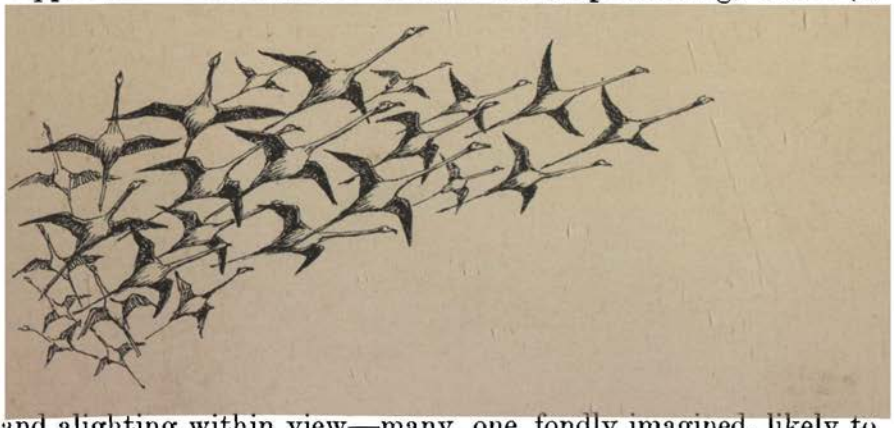
In other years, under such conditions as this morning had promised, we have records of sixty and eighty greylags brought to bag, and it was with such anticipation that we had set out to-day. The result totalled but a quarter of such numbers.

Ducks came next in our programme, and the writer, being the last gun by lot, had several miles to ride to his remote post at El Hondón. The scenes in bird-life through which we rode

amazed even accustomed eyes. At intervals as we advanced across mud-flats clad in low growth of rush and samphire, rose for a mile across our front such crowds of wigeon and teal that the landscape ahead appeared a quivering horizon of wings that shimmered like a heat-haze.

Crouching behind a low breastwork, before me lay a five-acre pool which no amount of firing ever kept quite clear of swimming forms, so fast did thirsty duck, teal, and geese keep dropping in, since behind for twenty leagues stretched waterless plain.

Merely to make a bag under such conditions means taking every chance, firing away till barrels grow too hot to hold. Here, however, that nature-love that overrides even a fowler's keenness stepped in. With half the wildfowl of Europe flashing, wheeling,

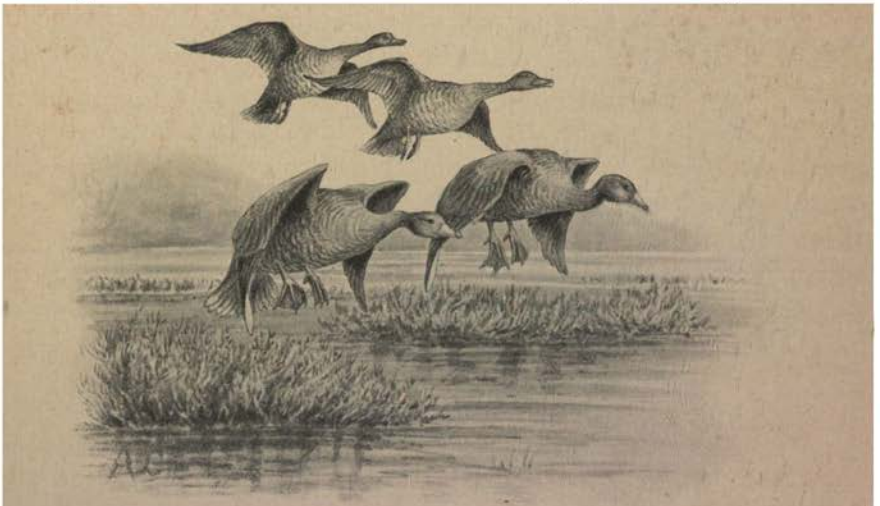


and alighting within view—many, one fondly imagined, likely to be of supreme interest—the writer cannot personally go on taking single mallards, teal, or wigeon, one after another in superb but almost monotonous rapidity. For the moment, in fact, the naturalist supplants the gunner. True, this may be sacrificing the mutton to the shadow, and this afternoon no special prize rewarded self-denial in letting pass many a tempting chance.

For gratifying indeed to fowler's pride it is to pull down in falling heap the smart pintails and brilliant shovelers, to bring off a right-and-left at geese, though, it may be, one had first to let a cloud of wigeon pass the silent muzzle. Such is individual taste, nor will the memory of that afternoon ever fade, although my score, when at 3.30 P.M. I was recalled, only totalled up to seventy-four ducks and four greylag geese.

The recall was imperative, and I obeyed, though not without hesitation and doubt. Could earth provide a better place?

"Yes," replies Vasquez, "in one hour the geese will be streaming in clouds up the Algaidilla and Caño Juncero. Come! there's no time to lose." Within an hour we had reached the spot. The water was four inches deep, with low cover of rushes. The revolving stool stood too high, so I knelt in the shallow, and within three minutes the first squad of geese came in quite straight. One I took kneeling, but had to jump for the second. Just as No. 2 collapsed, No. 1 caught me full amidships, knocking me sidelong and, rebounding, upset the stool and the bag of cartridges thereon! A nice mess, occurring at the very outset of



WILD GEESE ALIGHTING AT FIFTEEN YARDS

(Take the upper pair right-and-left, leaving the nearer geese for second gun.)

one of those ambrosial half-hours seldom realised outside of dreams. Quickly I dried the cartridges as well as circumstances would admit, for pack after pack of geese hurled themselves gaggling and honking right in my face, and during the few brief minutes of the southern twilight, I reckoned I had twenty-three down—seven right-and-lefts—though in the darkness only seventeen could be gathered, the winged all necessarily escaping.

Within thirty-six hours we had secured sixty-two geese and over two hundred ducks. For four guns, under favouring conditions, this would have been no very special result; but to-day the fowl were all alert and restless at the prospect of a coming change. The keynote had already been sounded that first day, when the *tormenta* burst, and when the long drought ended on the very

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3-'.9,' :3:,*.' 938,?,-' 8,'43)*+' 3)-5,7?,5' 9).7,55' /*+' <3*5.-/1*,+' .3' ,*</:;' .83' 7,/2),5' /8/>' 3*' .9,' +15./*.' ') ' .915' 1*?37?1*2' /*' ,C.-/' <3);7,'34'93)-5' 83-0' 1*' .9,' 5:/77' +/-0' 93)-5

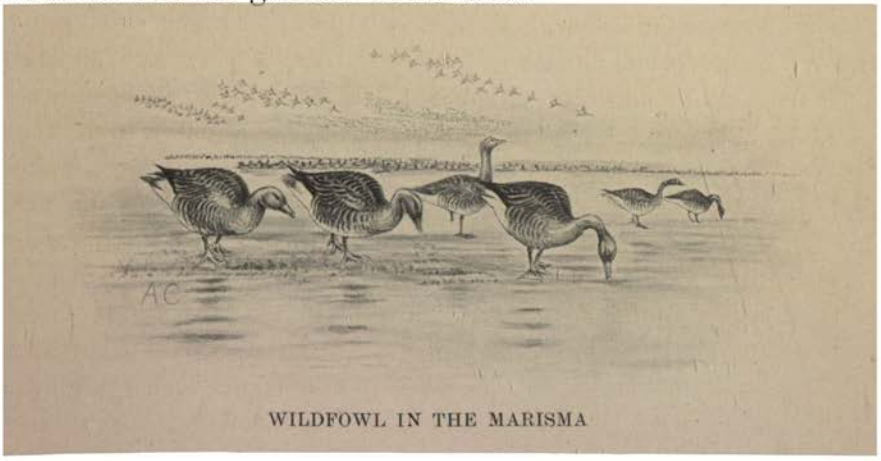
5' =,43-,' (' 6' 8,' -3+,' =,*,/.9' /' ;3)-1*2' -/1*' G';/.9@ 41*+1*2 H' 1*' =71*+' +/-0*,55' /<-355' 571:>' 331,' /*+' 59/7738 A *3.' .3' :,*.13*' +,,;,-' <9/**,75' .9/.'-,/<9,+' .3' .9,' 21-.95 A /' *129.E/-' <1-<7,+' -3)*+' 3)-' </?/7</+,' A'.-),' /' ?,->' 5:/77' ,?,*.' =).' -,<3-+,+'=,</)5,' 1.'15'6)1.,' /2/1*5.' .9,' -)7,5' 43-' /' *129.E/-' .3' =,' 9,-,'1*' ,<,:=,-' *7>' .9-,,' 2)*5' =-/?,+' .915' /+?,*.)-,' /*+' =>' M (M' 8,'3<<);1,+',/<9' 915' /773..,+';35.' 9,5,' <3)7+' *3.' =,' </77,+'<3:43-./=7,' 51*<,' .9,';351.13*5' 1*' 891<9' 8,' 9/+' .3' 5;,*+' .9,'*,C.' 51C' 3-',129.' 93)-5' 8,-,'6)1.,' 51C' 1*<9,5' +,,;' 1*' 8/.,-' /*+' .9,' 3*7>' <3?,-./' <1-<7,' 34' 5/:;91-,=)59' =/-,7>' /' 433.' /=3?,' 8/.,-7,?,7A .9/.' =,1*2' .9,').:35.' 9,129.' /7738,+' =>' .9,' 0,,*' 5129.' 34' 47129.1)]' 4387' /<9' :/*' 9/+' /*' /-:4)7' 34' <).'=-)59' 833+' .3' 0*,,7' 3*' =,51+,5' /*3.9,-' =)*+7,' 3*' 891<9' </-.-1+2,' =/25' :129.' =,'5);;3-.,+' <7,/-' 34' .9,' 8/.,-R

/1*' +,5<,*+,+' 1*' 59,,.5' ,43-,' 1.' 8/5' 4)77>' 7129.A 1*+,,+' .9,' /?,-/2,'9):/*' =,1*2' 34' +1)-*/7' 9/=1.' 83)7+';-3=/=7>' 58,/-' 1.' 8/5' 5.177' 6)1.,' +/-0A .9,' 58159' 34' 81*25' 3?,-9,/+' 43-,.37+' .9,' <3:1*2' +/>' 9,*' 81.9' /' -3/-' .9,' 8937,' :/-15:/' =)-5.5' 1*.3' 714,' /5' .93)29' =>' <73<0 83-0' 9-1<,/:1*).,' /*+' 34.,*,-' 5;,+' =)*<9,5' 34' +)<0' -129.' 1*' 3*,5' 4/<,' /.' .1:,5' /' 9)--1</*,' 34' 81*25' 3.' 5,,1*2' .9,:' .177' 6)1.,' <735,' 1*' =).' 3*,' =/--,7' </*' =,',:;.1,+',/<9' .1:,'>,' 533*' /' 5<3-,' 34' =,/).14)7';1*./17' /*+' 812,3*' 43-:,+' .9,' =/515' 34' /';17,

,91*+' 1*' .9,' 2733:' .3' 8,5.8/-+' /' 5,*5,' 34' :3?,:,*.' 9/5' +,?,73;,+' .' 41-5.' 1.' :129.' 9/?,'=,,*' =).' .9,'+-14.' 34'*129.<73)+5' =).' /5' 7129.' =-3/+,*5' 43-:' /*+' <373)-' ,?37?,' /*+' .9,';9,*3:,*3*' 59/;,' 51.5,74'1*.3' ?/5.' =3+1,5' 34' 47/:1*23,5' 5;-/871*2' /5' 1.' 8,-,'3*' .9,' 4/<,' 34' 9,/?,*' 1*' 8-1.91*2' 5<1*.177/.1*2' <3*4)513*' 4.,-' 1*41*1.,' ,?37).13*5' .9,' /:3-;93)5' :/55' -,537?,5' 1.5,74' 1*.3' 3-+,-' 417,5' /*+' :/-59/77,+';9/7/*C,5' 5,-->' .9,' 50>A .935,' 8,1-+' 817+4387' ,/<9' 81.9' 53:,' 51C' 433.' 34' -121+' ,C.,*513*' /+?/*<1*2' +1-,<.');3*' 3)-';35.5' 9,1-' /-:1,5' 9/?,' 5;,*.' .9,' *129.' 3*' .9,' =-3/+

' 915' 8/5' 1*' ,/-71,-' +/>5' /.,-' 3*' 8,' +,?,73;,+' /' 473.177/' 34' 47/.=3..3:,+' </*3,5' ,C;-,557>' /+/;.,+' .3' .915' 5,-?1<,' ' ;93.3' 34' 39,' 34' .9,5,' 15' /**,C,+

lucios of El Desierto, and now head away towards feeding-grounds outside. Arrayed line beyond line in echelon, ten thousand pinions beat, in unison—beat in short, sharp strokes from the elbow. The fantasy of form amazes; the flash of contrasted colour as the first sun-rays strike on black, white, and vermilion. One may have witnessed this spectacle a score of times, yet never does it pall or leave one without a sense that here nature has treated us to one of her wildest creations. No rude sketch of ours—possibly not the best that art can produce—will ever convey the effect of these quaint forms in vast moving agglomeration. Long after they have vanished in space, one remains entranced with the glamour of the scene.



WILDFOWL IN THE MARISMA

The flamingoes have passed away, but the lightening skies are still streaked and serried. Most numerous are the wigeon, millions of them in hurrying phalanxes, white specks flanged with dark wings, too well known to describe; pintails (this wet winter hardly less numerous), readily distinguishable by their longer build and stately grace of flight; the dark heads and snowy necks of the drakes conspicuous afar. The arrow-like course of the shoveler, along with his vibrant wing-beats and incessant call, "zook, zook, tsook, tsook," identify that species; while gadwall, more sombre in tone than the mallards, "talk" in distinctive style; and mob-like masses of teal and marbled ducks sweep along the open channels. Then there are the diving-ducks with harsh corvine croaks, pochards, ferruginous, and tufts, just as swift as the rest, though of apparently more laboured flight; occasionally a string of shelducks, conspicuous by size and con-

trasted colouring, and among them all, swing along with leisurely wing-beats but equal speed, wedge-like skeins of great grey-geese. A single morning's bag may include seven or eight different species, sometimes a dozen.

Now the rim of the sun shows over the distant sierra, and one begins to see one's environment and to realise what Las Nuevas is like. Of Mother Earth as one normally conceives it not a particle is in sight, beyond such low reeds and miles of samphire-tops as break the watery surface, and a vista of this extends to the horizon.

Behind our positions stretched a *lucio* of open water. Upon this, a mile away, stood an army of flamingoes, whose

croaks and gabblings filled the still air. During a quiescent interval I examined these with binoculars. Thereupon I discovered that the whole *lucio* around them and stretching away, say a league in length, was carpeted with legions of duck, which had not been noticed with the naked eye. The discovery explained also a resonant reverberation that, at recurring intervals, I had noticed all the morning, and which I had attributed to the gallant Cervera's squadron at quick-firing gun-practice away in Cádiz Bay. Now I saw the cause; it was due to the duck-hawks and birds-of-prey! Twice within ten minutes a swooping marsh-harrier aroused that host on wing—or, say, half-a-mile of them—to fly in terror; but only to settle a few hundred yards

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4/-.9,-‘ /8/>‘ 9,‘ 9/--1,-5‘ 93;,‘ 8/5‘ <7,/-7>‘ .3‘ 41*+‘ /‘ 83)*+,+‘ =1-+‘ /:3*2‘ .9,‘ <-38+A .9,‘ :/55,+‘ :)7.1.)+,‘ *3*,‘ +/-,+‘ .3‘ ./<07,

.‘ 15‘ *1*,‘ 3<73<0‘ .9,‘ ;17,‘ 34‘ +,/+‘ 9/5‘ :3)*.,+‘);‘ =).‘ .9,‘ G‘ 47129.‘ H‘ 15‘ 57/<0,*1*2‘ 7-,/+>‘ ‘ 5,,‘ 3)-‘ :3)*.,+‘ 0,,;,-5‘ D893‘ 9/?,‘ 91.9,-.3‘ 5.33+‘ 2-3);,+‘ 3*‘ /*‘ 157,.‘ .83‘ :17,5‘ /8/>‘ 5,;/-/.,‘ /*+‘ -1+,‘ 43-.9‘ .3‘ 5,.‘ .9,‘ +)<05‘ 3*<,‘ :3-,‘ 1*‘ :3.13*‘ .‘ .915‘ ;-,<15,‘ :3:,*.‘ 3*,‘ -,:,:=,-5‘ .83‘ .91*25A=3.9‘ .9/.‘ 8-,.<9,+‘ =-,/04/5.‘ /.‘ % 6 m /*+‘ .9,‘ 7)C)-1,5‘ .9/.‘ 71,‘ /.‘ 9/*+‘ /7:35.‘ /8/59‘ /:3*2‘ .9,‘ -,,+5‘)<05‘ ;/55‘ =>‘)*5</.9,+‘ 43-‘ /‘ 4)77‘ 9/74 93)-‘ 8917,‘ 5)<9‘ 6)1,.‘ -,12*5‘ 1*‘ G‘ 3‘ L‘ H‘ .9/.‘ ./8*>‘ 8/.,-59-,85‘ <71:=‘ <3*41+1*27>‘);‘ .9,‘ -,,+5‘ 34‘ :>‘ 5<-,,*

#,/*8917,‘ .9,‘ ,41=-.5‘ 34‘ 3)-‘ +-1?,-5‘ 8,-,‘ =,<3:1*2‘ /;;/-,*.‘ 1*‘ /‘ -,*,8/7‘ 34‘ 47129.1*2‘ +)<05‘ =).‘ 8,‘ 83)7+‘ 9,-,‘ ,:;9/515,‘ .9,‘ 4/<.‘ .9/.‘ .9,5,‘ 5,<3*+‘ /*+‘ /-.141<1/77>;-3+)<,+‘ 47129.5‘ /-,‘ *,?,-‘ 53‘ ,44,<.1?,‘ 4-3:‘ /‘ 4387,-5‘ ;31*.‘ 34‘ ?1,8‘ /5‘ .9,‘ ,/-71,-‘ */.)-/7‘ :3?,:,*.5‘ 34‘ .9,‘ 2/:,‘ 3-‘ .9,‘ +)<05‘ .9)5‘ +15.)-=,+‘ <3:,‘ /5‘ .9,‘ ;/*159‘ 0,,;,-5‘ ;).‘ 1.‘ ‘ /*+‘ *3.‘ 34‘ .9,1-‘ 38*‘ 4-,, 8177‘ ,*<,‘ .9,>‘ /77‘ ;/55‘ 9129A:/*>‘ 4/-‘ /=3?,‘ 2)*593.A‘ /*+‘ *3.‘ ,?,*‘ .9,‘ /..-/<.13*‘ .9/.‘ 3)-‘ 47,,.‘ 34‘ G+,<3>5H‘ D43-‘ 8,‘ 9/?,‘ *38‘ 5.)<0‘);‘ .9,‘ 8937,‘ 34‘ .9,‘ :3-*1*25‘ 5;3175‘ .3‘ +,<,1?,‘ .9,1-‘ 4,77385‘ 8177‘ 1*+)<,‘ :3-,‘ .9/*‘ /‘ 71:1.,+‘ ;-3;3-@ .13*‘ /*+‘ .935,‘ 3*7>‘ .9,‘ 5:/77,-‘ =/*+5‘ .3‘ +,5<,*+‘ 4-3:‘ .9,1-‘ /,-1/7‘ /7.1.)+,

9,‘ G‘ :3?,:,*.‘ H‘ 34‘ .9,5,‘ :/55,5‘ *,?,-.9,7,55‘ /443-+5‘ /*3.9,-‘ 34‘ .935,‘ 5;,</.)7/-‘ +15;7/>5‘ .9/.‘ 8,‘ :)5.‘ /.‘ 7,/5.‘ .->‘ .3‘ +,5<-1=,‘ 3-‘ .93)29‘ *3*,‘ 34‘ .9,1-‘ 50>9129‘ /-:1,5‘ 8177‘ ;/55‘ 81.91*‘ 2)*593.A3-‘ .,*‘ 2)*593.5A>,.‘ 3*,‘ </**3.‘ =).‘ =,‘ 5.-)<0‘ 81.9‘ /:/I,:,*.‘ 89,*‘ .9,‘ 8937,‘ ?/)7.‘ 34‘ 9,/?,*‘ /=3?,‘ ;-,5,*.5‘ /‘ 6)1?,-1*2‘ ?1513*‘ 34‘ 81*25A59/+,+‘ 5,/:,+‘ 5.-,/0,+‘ /*+‘ 5;3..,+‘ 4-3:‘ I,*1.9‘ .3‘ 93-113*‘ 9,*‘ .9,‘ :)7.1;71,+‘ ;)75/.13*‘ 34‘ 81*25‘ 15‘ +15.1*<.7>‘ ;,-<,;.1=7,A‘ /‘ 51*2)7/-‘ 5,*5/.13*‘ *,‘ -,:,:=,-5‘ 1.‘ 89,*‘ ;,-9/;5‘ /*‘ 93)-‘ 7/.,-‘ >3)‘ =,<3:,‘ <3*5<13)5‘ 34‘ 1.5‘ -,<)-@ -,*<,‘).‘ *38‘ .9,‘ 9,/?,*5‘ /-,‘ <7,/-‘ X 3.‘ /‘ 51*27,‘ 47129.‘ <-355,5‘ .9,‘ 50>A*3.‘ 3*,‘ .9/.‘ 15‘ 81.91*‘ 5129.‘).‘);‘ /=3?,‘ =,>3*+‘ .9,‘ 71:1.5‘ 34‘ 9):/*‘ ?1513*‘ .9,-,‘ ;/55‘)*5,,*‘ 935.5‘ /*+‘ ‘ 15‘ .9/.‘ ;)75/.13*‘ >3)‘ 4,,7

9,‘ ;/55/2,‘ 34‘ .9,5,‘ 50>5<-/;,-5‘ 15‘ /<.)/.,+‘ =>‘ *3‘ ;)*>‘ :/*3,)?-,‘ 34‘ 3)-5‘ 9,>‘ /-,‘ .-/?,77,-5‘ 3*‘ .9-3)29-3).,5‘ ,-9/;5‘ .9,‘ 7/5.‘ 7/*+‘ D3-‘ 8/.,-‘ .9,>‘ .3)<9,+‘ 8/5‘).<9‘ 3-

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/*159'B /*+' .9,>' 8177' *,C.' /7129.' D81.91*' /*' 93)-' 1*' 4-1</'
9,/+>' /.' .9,1-' /7.1.)+,' .9,>'</*' 5,,' 5;-,/+' 3).' /5' 1.' 8,-,' /.'
.9,1-' 4,,.' .9,' :/-59,5' /*+' :,-,5' 34' #3-3<<3

7.93)29' *3:1*/77>' +,5<-1=1*2' .9/.' 41-5.' +/>' 1*' /5'),?/5'
D/*+' 53' 4/-' /5' 4/<.5' 23' /+9,-1*2' -121+7>' .9,-,.3' >,.' 8,' /-,'
,*+,/?3)-1*2' .3' <3*<,*.-/.,' 1*' 4,8,5.' 83-+5' .9,' /<.)/7' 7,553*5'
34' :/*>' 5)=5,6),*.' >,/-5' 34' ;-/<.1</7' ,C;,-1,*<,' 9)5' .9,'
;1<0);' 3*' .9/.' +/>' D.93)29' 1.' :/>' 9/?,' *):=,-,+' /' <3);7,'
34' 9)*+-,+'+)<05' 8,' -,4-/1*' 4-3:' -,<3-+1*2' 1*' .915' /..,:;.' .3'
<3*?,>' .9,' <3*<-,.,' 8917,' /?31+1*2' +,./17

/<0' /2/1*' 5;7/59' 5;7359' .9-3)29' :)+' /*+' :1-,' .83'
93)-5' -1+,' .3' 3)-' </:;41-,A /';1<.)-,56),' 5<,*,' 81.9' 3)-' :/-59'
=-,+' 4-1,*+5' 2/.9,-,+' -3)*+' .9,1-' ./8*>' 4/<,5' 7)-1+' 1*' .9,'
41-,7129.' /5' 47/:,5' 5933.');8/-+5' /*+' ;1*,<3*,5' <-/<0' 710,'
;15.37 593.58' /*+' 3?,-' .9,',:=,-5' 9/*2' /' 5<3-,' 34' .,/7',/<9'
1:;/7,+' 3*' /' 5);;7,' =3)29' 8/>' =,>3*+' .9,-,' 733:' 710,'
5;,<.-,5' 3)-' 93-5,5' .,.9,-,+' 89,*' 517?,->' :33*7129.' 27/*<,5'
.9-3)29' 5</.,-,+';1*,5' 91*25' 83)7+' 9/?,' =,,*';7,/5/*.'
1*+,,+' 9/+' .9,' -/1*' =).' 5.3;;,+' 3<</513*/77>' -),' 8,' 9/+'
3)-' .,*.5' =).' 3)-' :,*' 57,;.' 1*' .9,' 3;,*' ,/<9' -377,+' 1*' 915'
<73/0' =,*,/.9' 53:,' 59,7.,-1*2' =)59

CHAPTER IX

WILDFOWL-SHOOTING IN THE MARISMA

ITS PRINCIPLES AND PRACTICE

VAST as their aggregations may be, yet wildfowl do not necessarily—merely by virtue of numbers—afford any sort of certainty to the modern fowler. Half-a-million may be in view day by day, but in situations or under conditions where scarce half-a-score can be killed. This elementary feature is never appreciated by the uninitiated, nor probably ever will be, since Hawker's terse and trenchant prologue failed to fix it.[1]

What "the Colonel" wrote a century ago stands equally good to-day; and *mutatis mutandis* will probably stand good a century hence.

Long before the authors had appeared on the scene with breech-loaders—even before the epoch of Hawker with his copper-caps and detonators—the Spanish fowlers of the marisma had already devised means of their own whereby the swarming wildfowl could be secured by wholesale. As a market venture, their system of a stalking-horse (called a *cabresto*) was deadly in the extreme and interesting to boot, affording unique opportunity of closely approaching massed wildfowl while still unconscious of danger. We have spent delightful days crouching behind these shaggy ponies, and describe the method later. But this is not a style that at all subserves the aspirations of the modern gunner, and we here study the problem from his point of view.

[1] See *Instructions to Young Sportsmen*, by P. Hawker, second edition (1816), pp. 229, 230.

9,' ,55,*<,' 34' 5)<<,55' 71,5' 1*' /5<,-./1*1*2' ;-,<15,7>' .9,' ,C/<.' /-,/5' 89,-,' 4387' 1*' 6)/*.1.>' /-,' G' 5.-3*27>' 9/)*.,+ H' =>' +/>' /*+' *129.' .32,.9,-' 81.9' .9,1-' -,2)7/-' 71*,5' 34' 47129.' .9,*<,' /*+' .9,-,.3' =?13)57>' 5)<9',C/<.' 0*387,+2,'1*' .9,5,'?/5.' :/-15:/5' +,?31+' 34' 7/*+:/-05' +,:/*+5' </-,4)7' 3=5,-?/.13*' /*+' 1.' :)5.' =,' -,:,:=,-,+' .9/.' .9,5,' .91*25' <9/*2,' 81.9' ,?,->' <9/*2,' 34' 8,/.9,-' /*+' 8/.,-' /?1*2' 73</.,+' 5)<9' 8,77 4-,6),*.,+' -,53-.5' 3-' 47129. 71*,5' .9,' +,2-,' 34' 5)<<,55' 8177' >,.' +,;,*+' 3*' .9,' 34' .9,' G' 9/)*.H' .' :/>' 9/;;,*' D+,5;1.,' /77' </-,' .9/.' .9,' ;/-.1/71.>' 34' .9,' 4387' 43-' .9/.' 5;,<1/7' 5;3.' 3-' -3).,' 15' :,-,7>' 5);,-41<1/7' /*+',?/*,5<,*.' +31,*' 593.5' /*+' .9,>' 9/?,' <7,/-,+' 3).' 3-' /7.,-,+' .9,1-' <3)-5,' *' .9,' -,?,-5,' </5,' 53' 5.-3*2' :/>' =,' .9,1-' G' 9/)*.H' .9/.' *3' /:3)*.' 34' +15.)-=/*<,',*.1-,7>' +-1?,5' .9,:' /8/>' /*+',?,*' .935,' .9/.' 9/?,' /7-,/+>' =,,*' 5</-,+' =>' .9,' 53)*+' 34' 5933.1*2' 8177' >,.' -,.)-*' /2/1*' /*+' /2/1*

>' *129.' +)<05' 4,,+' 1*' .9,' 573==>' 59/77385' /*+' 331,5' =).' <3*<,/7,+' =>' .9,' 5/:;91-,' '2-38.9' 891<9' 473)-159,5' 1*' 5)<9' ;7/<,5' b ,*<,' .9,')5,' 34' .9,' 5./*<9,3*2)*' 15' *3.' 9,-,' /?/17/=7,' /5' 1*' .9,' </5,' 34' =/-,' ;7/*.4-,,' .1+/7' 47/.5' /.' 93:,' /*+',75,89,-,

*' .9,' +)50' .9,' +)<05' 9/?,' /--1?,+' /.' .9,5,' 4,,+1*2 2-3)*+5' 1*' 6)1.,' 5:/77' .-1;5' 3-' =)*<9,5').' /5' .9,' 5./-5' ;/7,' .38/-+5' .9,' +/8*' .9,>' +,;/-.' 1*' 7/-2,-' +,./<9:,*.5' 34.,*' *):=,-1*2' 9)*+-,+5' 1*' /' ;/<0' .177' 5)<9' /-,' .9,1-' ,*3-:3)5' *):=,-5' .9/.' ,?,*' 53' .9,1-' 5914.1*2' /-:1,5' 43-:' /*' /7:35.' <3*.1*)3)5' 5.-,/:' 1*' .9,' +1-,<.13*' 891.9,-' .9,>' ./0,' .9,1-' <3)-5,').' 89,-,' 15' .9/.' F 9/.' 15' .9,' ;-3=7,:' 3*' .9,' 537).13*' 34' 891<9' .9,' 4387,-5' 5)<<,55' +,;,*+5' ,' 8177' ;-,5):,' .9/.' >3)' 9/?,' 53' 537?,+' 1.' *' .9/.' </5,' >3)' 8177' 9/?,' 81.*,55,+' =,.8,,*' /*' 93)-' =,43-,' 5)*);' /*+' 9/74/*93)-' .9,-,/4.,-' /5' :/-?,773)5' /' ;-3<,5513*' /5' .9,' 5<9,:,' 34' =1-+ 714,' </*' /443-+

,.')5' 437738' .9,' 4387' .9-3)293).' .9/.' :/.).1*/7' 47129.' 8/>' .9-3)29' 7,/2),5' 34' ,:;.>' 5;/<,' .9,>' 937+' .9,1-' <3)-5,' *38' 9129' 1*' /1-' 89,-,' ?15./5' 34' =-38*' 5/:;91-,' 733:' 710,' 7/*+' /*+' :129.' <3*<,/7' /' 7)-01*2' 43,' /*3*' 738,-1*2' .9,1-' 47129.' 89,-,' 5;3-/+1<' 59,,.5' 3-' 7/*,5' 34' 3;,*' 8/.,-' =-,/0' .9,' ./8*>' :3*3.3*>' ,>3*+' /77' .915' 5.-,.<91*2' /8/>' 1*' 3;,*' 8/.,-5' 710,' /*' 1*7/*+' 5,/' 71,5' /' =12' 9/.' 15' .9,1-' 23/7' *,' =>' 3*,' 3-' 1*' +31,*5' /*+' 5<3-,5' .9,' 1*41*1.,' +,./<9:,*.5' -,)*1.,' .3' 5;7/59

THE STANCHEON-GUN IN THE MARISMA—DAWN.

)&('E&;+-''*)#3)# *- !)+A! 6

+38*) ;3* .9/.27/55>5)-4/<, 1.91*=-1,4 :1*).,5.9,8937, ,C;/*5,15+/-0,*,+/5 81.9/ </-;,.

;3* .915 .9,/55,:=7,+<9)<05<3: :/*+/ ?1,8 43- :17,5/-3)*+ /-+7>2<3)7+/ 8/.<E1 -/./;;-3/<9)*5,,* 4 .9,4387 ;,-515.,+1** ;/551*2.9, ,*.1-,+/>.9,-,3* *3 9):/* ;38,- 83)7+ /?/17 .3 :37,5..9,:A.9,><3)7+=1+ +,41/*<, .3 4387,-5 34 ,?,-> -/<, /*+=-,,+ 83<1-<):5./*<,5 938,?,- 4/?3)-.9,1-9):/* 43,5 9, 41-5.15.9, ;,-;,.)/ +15.)-=/*<, <-,/.,+/:3*2.935, 473/.1*2 935.5=> =1-+5 34 ;-,> 9,5,A <91,47>:/-59 9/--1,-5=).1*<7)+1*2 /753.9, 2-,/.=7/<0=/<0,+ 2)775A,C,<).,;,-;,.)/ G4,1*.5H /../.9,581: :1*2+)<05 5,<.13*5 34 891<9D34.,* .93)5/*+5 5.-3*2 /-,<3: ;,77,+.3-15,3* 81*2=> .9, :,*/<1*2+/*2,- 9, +3:1*/*.1+,/ /<.)/.1*2.9,-/;.3-,5 D51*<, .9,> /-,)*/=7, .3 /../<0.9, :/1* =3+1,5 15.3 /5<,-./1* 14 3*, 3-:3-, 83)*+,+ +)<05 -,:/1* /473/./4.,-.9,1-53)*+ <3:;/*13*5 9/?, <7,/-,+A.9, <-1;;7,5 34 <3)-5, /443-+1*2 /* ,/5>;-,> 9, +15.)-=,+ 4387 8177 *3.47>4/-;,-9/;5 9/74 / :17,)*7,55 1*+,,+ .9,>9/;;,* +)-1*2.9/./ 47129.3 </.<9 5129. 34 /* /..-/<.1?, 47,,. 34 G +,<3>5 H :33-,+ 1* 53:, 6)1,./ <-,,0 / :17, 3-53 /8/>

9, 5,<3*+4/?3)-1*2 <1-<):5./*<, /-15,5 4-3: / +144,-,*<, 1* 9/=1./=,.8,,* +)<05 1* ;/1* /*+.9,1-,7/.1?,5 D,?,* <3* 5;,<141< 1*9/=1.1*2 -1.159 8/.,-5 3-89,-,/5.9, 7/..,-/5 / -)7, 8177 -,:/1* 6)1,5<,*. 1* .9,1-5,7,<.,+ -,5.1*2 ;7/<,5 .9, 71?,73*2 +/> 1* ;/1* 3* .9, <3*.-/-> => /=3)./ LL 6 .9, 43-<, 34 9)*2,- =,21*5 ?151=7> .3 3;,-/.,A *3. 1* /77 =)./ 1* 5,<.13*5 891<9 -151*2 1* +,./<9:,*.5 5,;/-/., .9,:5,7?,5 4-3: .9, :/55,5 /*+ <3:: ,*<, ,C;73-/.3-> <-)15,5 /:3*2 .9, 5:/77,-/*+ 59/7738,- 89,-, 433+ :/> =, 43)*+ R 915 1*.,-@ :1..,*. 47129. 57/<0,*5 34. 43- /* 93)- 3- 53 /. :1++/> 15 -,*,8,+ 1* .9, /4.,-*33* /*+ 5.3;5 +,/+ 3*, 93)- =,43-, 5)* +38*

3 ,C;731. .9, /+?/*./2, 344,-,+ => .9,5, 9/=1.5 1. 15 *,<,55/-> .3 /5<,-./1* .3 891<9 34 .9, 1**):,-/=7, :1*3- .9,5, G 9)*2,- :/-<9,-5H /-, -,53-.1*2 =5,-?/.13* 8177 9/?, +,<1+,+.9/. ;31*./*+3)- ,C;,-.2)**,- *38 D/. LL 6 =, <3*<,/7,+ 8+.9 5<-);)73)5 </-, /*+ 915 47,,. 34 5/> 414.> +,<3>5 5,.3)./ 1* 714,710, /*+ D3- /../-/<.1?, /..1.)+,5 ,C/<.7> 1*

S ' .9,=12 /*+ +,,;' *3 ;7/*. 714,',C15.5 *3-<3)7+5)-4/<, 4,,+1*2 +)<05 -,/<9 +38*.3 1.,?,*14 5)=/6)/.13 9,-=/2,34 /*> 01*+ +1+ 2-38 .9,-,

.9,' <,*.-,' 34' .9,' ;/-.1<)7/-' 7/233*' 891.9,-' 34' -,<,*.' +/>5' .9,' +)<05' 9/?,' =,,*' 3=5,-?,+' .3' -,53-.' 1*' 2-,/.,5.' /=)*+/*<,' 4-3:' *33*' 3*8/-+5

9,' 2)**,-' 71,5' ,C;,<./*.' 3*' .9,' <).' -)59,5' 891<9' 5.-,8' .9,' =3..3: =3/-+5' 34' 915' $ A /' =3C 59/;,+' ;)*.' 53:,' '' 4,,.' 73*2' =>' N:' =-3/+' 891<9' 15' <3*<,/7,+' =>' =,1*2' .9-)5.' =3+17>' 1*' .9,' :1+5.' 34' .9,' =122,5.' 5/:;91-,' =)59' /?/17/=7,' 9,' <-/4.' *,?,-.9,7,55' 15' 5.177' /473/.' /*+' .93)29' 47/.=3..3:,+' 15' >,.' .,--1=7>' <-/*0' /*+' /*>'5)++,*' :3?,:,*.' .3' ;3-.' 3-' 5./-=3/-+' .9-,/.,*5' .3' </;51I,' .9,' ,*.1-,' 3).41.

3' /77/>' .9,' .,*5,' 5)5;1<13*' 34' 47129.1*2' 817+4387' 5,?,-/7' 34' .9,' /+E/<,*.' =)59,5' 43-' 414.>' >/-+5' /-3)*+' 9/?,' =,,*' 9,129.,*,+' =>' .9,' /++1.13*' 34' /' <).' =3)29' 3-' .83A .9,' 1+,/' =,1*2' .3' 1*+)<,' /' .9,3->' /:3*2' ;/551*2' +)<05' :,-,7>' .9/.' .915' ;/-.1<)7/-' 5;3.' 5,,:5';,<)71/-7>'4/?3)-/=7,' .3'5/:;91-, 2-38.9A .9/.' /*+' *3.91*2' :3-,

*' 5,..1*2');' +,<3>5' 8917,' :/*>' /-,' ;35,+' 1*' 714,710,' /..1.)+,5'1.'15' /+?15/=7,' .3' 9/*2' /' 4,8' D,5;,<1/77>' 891.,;7):/2,+' 5;,<1,5' 5)<9' /5' ;1*./17' 593?,7,-' /*+' 812,3*+-/0,5' 1*' /7:35.' ?,-.1</7' ;351.13*5' 1*' 3-+,-' .3' 1*+)<,' /' =,71,4' /:3*2' 9)*2->' 1*@ <3:,-5' .9/.' .9,5,' =1-+5' /-,' G'.)-*1*2);' H' .3' 4,/5.' 3*' /=)*+/*.' 5)=/6)/.1<;7/*.5'=,*,/.9

915' 1*.,-:1..,*.' 47129.' 15' */.)-/77>' 1--,2)7/-' 9)*2,-' /44,<.1*2' 2-,/.,-' 3-' 7,55' *);=,-5' 3*' +144,-,*.' +/>5B' =).' 89,*' 1.' <3:,5' 344' 1*' 43-<,' /443-+5' .9,' <-,/:' 34' 817+4387 1*2' 4-3:' =,43-,' *33*' .177' .9,' 5)*' +-33;5' 1*' .9,' 8,5.')-1*2' .9,' 7/5.' 93)-'=,43-,' 9,' +1;5' *3.' /' 81*2' :3?,5

)<0 5933.1*2' .9)5' -,537?,5' 1.5,74' 1*.3' .83' :/1*' 5>5.,:5V DL' 1*.,-<,;.1*2' .9,' 4387' 3*' 47129.' /.' +/8*' /*+' 7/.,-' D' /8/1.1*2' .9,1-'1*<3;/1*2' /.',C;,<.,+';31*.5

' 233+' 5933.' :/>' 53:,.1:,5' =,' ,*21*,,-,+' =>' <)..1*2' /' =-3/+' G-1+,H' .9-3)29' .9,' 5/:;91-,' /73*2' 53:,' 47129.71*,' .9,-,=>' 43-:1*2' /*' 3;,*' <9/**,7' =,.8,,*' .83' ')<05' 891<9' 9/?,' 91.9,-.3' 4738*' 50> 9129' 1*' 3-+,-' .3' <-355' .9,' +/*2,-' I3*,' 8177' *38';/55' 6)1.,' 738' /73*2' .9,' *,8' 8/.,-8/>' /*+',?,*' ;-,4,-' 1.' .3' <-3551*2' .9,' <3?,-' /.' 9/I/-+' 938,?,-' 9129

' .>;1</7' +/>5' 43871*2' 1*' :1+ :/-15:/' :/>'=,' +,5<-1=,+' 9,' *129.' 9/5' =,,*' 5;,*.' 1*' /',-,+=)17.' 9).' <9/-:1*27>' 51.)/.,' 3*' /' :)+157,.' 9/74/*/<-,' 1*' ,C.,*.' /*+' <3:::/*+1*2')*@ ,6)/77,+' ?1,85' 34' 4733+,+' /*+' 4,/.)-,7,55' :/-15:/' ' .' (' !' 8,

)&('E&;+- ' '*)#3)# *- !)+A!

.)-* 3). /*+ => .9, +1 : 7129. 34 / 7/*.,-* , :=/-0 1* / $ D;)*. 5,-,*/+,+ => .9, <-3/05 /*+ 2/==71*2 34 47/ :1*23,5 53 :,89,-, 3). 1* .9, +/-0 8/.,-5 7cR 817+ <3 : ;/*13* /././ 0*,,71*2 1* .9, =385 /*+ 2-/5;1*2 R ;)*. ;37, 1* ,1.9,- 9/*+ =,*+5 .3 915 83-0 /*+ /8/> 8, 271+,A 1*.3 .9,)*0*38*

 8,1-+ 4,,71*2 1. 15 56)/..1*2 .9)5 /. 8/.,-7,?,7 /*+ 8/.<91*2 .9, 8/?,7,.5 +/*<, => 3- +/59 3?,- 3)- .83 1*<9 4-,, =3/-+ , :/0, =). .9-,, :17,5 /* 93)- >, 5,,: .3 47> ;/5. 9/74 5,,* 8/.,- ;7/*.5 :>-1/+ 5./-5 /-, -,47,<.,+ 3* .9, 5.177 5)-4/<, /9,/+ /*+ 1. 15 => / 51*27, 2-,/. ' D;7/*,. .9/. 3)- ;173. 15 *38 5.,,-1*2 915 <3)-5,

/././ ;-,5,*.7> -,:/-05 .9/. 8, 9/?, G /--1?,+ H *, ./0,5 915 83-+ 43- .915 .177 .9/. ?,-= +3,5 <3*+1.13*/77> 1: ;7> 53 :, ;7/<, 3- 5;3. 34 /--1?/7 ,-, .9,-, 8/5 *3*,A *3*, /. 7,/5. .9/. <3)7+ =, +141,-,*.1/.,+ 4-3 : /*> 3.9,- ;31*. 3- 5;3. 1* :/*> <1-<):/ :=1,*. 7,/2),5). .915 8/5 *3./ 93)- 43- ;91737321<7 +156)151.13* 53 8, :,*./77> +,<1+, .9/. 8, 9/?, -,/<9,+ G *389,-, H 4,8 93)-5 7/.,- 89,* +/>7129. +15<3?,-5 3)- ,*?1-3*:,*. .9/. *,2/.13* /;;,/-5 5)471<1,*.7> ;-3?,+ 9,-, /-, ?151=7, <,-./1* 3=E,<.5 3* .9, +15./*. 93-1I3* *,A .9/. =,91*+)5A ;-3?,5 .3 =, .9, -334 34 .9, ; 89,-,1* 8, 9/+ 5;,*. .9, *129.A]9)77 +38*H .3 .9, ,/5.8/-+ 9, 3.9,-5 / 7,*2.9,*,+ 5<-).1*> 81.9 ;-15 : 91*3<)7/-5 59385 .3 =, / .-13 34 817+ </ :,75 4,,+1*2 0*,, +,,; 1* 8/.,- 38 89,-,>3) 5,,5)<9 512*5 >3) :/> <3*<7)+,>3) /-, *389,-,

,501; /4,8 93)-5 51*<, 8, 9/?, *3 1*.,*.13* 34 1*471<.1*2 3* .9, -,/+,- .9, +,./175 34 / :3-*1*2 5 47129. 5933.1*2)441<, .9/. /. " ! -,/;;,/-5 ;371*2); 1* 915 ;)*. .9, 5;3175 /-, <377,<.,+ D43-.> *1*, 1* /77 :35.7> 812,3* /*+ .,/7 81.9 / 4,8 ;1*./17 /*+ 593?,7,- /*+ 3*, <3);7, 34 2/+8/77 /*+ .9, ;7/* 43- .9, +/> +15<)55,+ 3 -,:/1* 89,-, 8, 8,-, D/5 .915 9/+ >,5.,-+/> /..-/<.,+ / 4/1-7> <3*.1*)3)5 47129. 34 +)<05 9/+ =,,* 3)- 3-121*/7 1+,/). / 5914. 34 .9, 81*+ 9/+ -,*+,-,+ / 5,<3*+ +15./*. .83 :17,5 / :3-, 4/?3)-/=7, -,53-. 43- .3 +/> /*+ .91.9,- /<<3-+1*27> 8, 5,. 3). ,-, / *,8 15 ;-3: ;.7> ;-,;/-,+ /*+ .9, 43-.> *1*, +,<3>5 +,4.7> 5,. 3). ,/<9 5);;3-.,+ => / 5);;7, 8/*+ 5.)<0 1* .9, :)+ =,738 /-+7> 9/+ .9,5, ;-,;/-/.13*5 =,,* <3:;7,.,+ .9/* .9, 1*.,-@ :1..,*. D3- 5,<3*+/-> 47129. 9/+ <3: :,*<,+ 417, /4.,- 417, 34 +)<05 9,/+1*2); 4-3: +15./*. 5;/<, 89,,71*2 3?,- 3- +/591*2

; /5.' .9,' 5,+)<.1?,' +,<3>5' .' -,<)--1*2' : 3 : , *.5' +)-1*2' .9,' *,C.' .9-,,' 3-' 43)-' 93)-5' D81.9' =7/*0' 1*.,-?/75' =,.8,,*' ' ,*E3>,+' .3' .9,' 4)77' .915' : 35.' +,7129.4)7' 43- :' 34' 817+4387 1*2' 53' .3./77>' +144,-,*.' 1*' ;-/<.1<,' .3' /77' 3.9,-5

)<9' 15' .9,' 5;,,+' 34' 47129.1*2' 4387' 5)<9' .9,1-' 0,,**,55' 34' ?1513*' /*+' 1*5./*.' ;,-<,;.13*' 34' +/*2,-' .9/.' =).' /' : 3 : ,*./->' ;31*.' 34' .1 : , A 5/>' .9,' ,129.9' 34' /' 5,<3*+A 15' /?/17/=7,' 4)77>' .3' ,C;731.' ,/<9' <9/*<,' 93)7+' .9,' 2)**,-' -15,' .33' 6)1<0' .9,' +)<05' /-,' =,>3*+' .9,' : 35.' ,44,<.1?,' -/*2,B >,.' 81.91*' /' 5;/<,' *3.' .3' =,' : ,/5)-,+'=>' 412)-,5' 3-' 83-+5' .9,>' 8177' 9/?,' +,.,<.,+' .9,' 4-/)+' /*+' 1*' /' 47/59' 9/?,' 5</..,-,+' 5933.1*2' ?,-.1</77>') ; 8/-+5' 710,' /' =)*<9' 34' 50> -3<0,.5

83' 4,/.)-,5' 1*' .9+' 714, 915.3->' 34' .9,' +)<0 01*+' =,<3 : ,' /;;/-,*.' 9,' 41-5.' ;31*.5' .3' .9,' ;-3=/=171.>' .9/.' /+)7.5' ;/1-' 43-' 714,' /*+' .9/.' .9,' : /.,+' <3) ;7,5' 0,,;' .32,.9,-' /77' 81*.,-',?,*' 89,*' 43- : 1*2' <3 : ;3*,*.')*1.5' 1*' /' <-38+' 3-' 89,*' /*' /+)7.' 4, : /7,' 15' 593.' 4-3 :' .9,' : 1+5.' 34' /' ;/<0' .9,' : /7,' 8177' /7 : 35.' 1*?/-1/=7>' /<<3 : ;/*>' 9,-' 1*' 9,-' 4/77' .3' .9,' ?,->' 5)-4/<,' 34' .9,' 8/.,-' /*+' 8177' /4.,-8/-+5' <1-<7,' /-3)*+' ;1;1*2' +15<3*537/.,7>' /*+' ,?,*' -,.)-*' /2/1*' /*+' /2/1*' 1*' 5,/-<9' 34' 915' 735.' ;/-.*,-' 915' /;;71,5' <91,47>' .3' 812,3*' =).' 8,' 9/?,' 4-,6),*.7>' 3=5,-?,+' .9,' 5/ : ,' .-/1.' 1*' ;1*./17' /*+' 3<</513*/77>' 1*' 3.9,-' 5;,<1,5' .' 15' 3*7>' .9,' +-/0,5' .9/.' +15;7/>' .915' <3*5./*<>B /' =,-,/?,+' 4, : /7,' <3*.1*),5' 9,-' 47129.')*9,,+1*2

9,' 4,/.)-,' 15' : 35.' <3*5;1<)3)5' 89,*' /8/1.1*2' +)<05' /.' .9,1-' 4,,+1*2 2-3)*+5'' =).' 1.' /753' 3<<)-5' 89,*' 5933.1*2' 3*' .9,1-' 47129. 71*,5' =,.8,,*' +15./*.' ;31*.5

9,' 5,<3*+' 51*2)7/-' 9/=1.' 15' .9,' <)5.3 :' ;/-.1<)7/-7>' / : 3*2' 812,3*' .3' 43- :' 89/.' /-,' .,-:,+' 1*' ;/*159' A' 71..7,' 2-3);5' 34' 43)R' .3' /' +31,*' =1-+5' <3*515.1*2' 34' /' 51*27,' 4, : /7,' 81.9' /' =,?>' 34' : /7,5' 1*' /..,*+/*<,' 47>1*2' /1 : 7,557>' 91.9,-' /*+' .91.9,-' 1*' /' <3 : ;/<.' : /55' .9,' +-/0,5' <3*5./*.7>' </771*2' /*+' .9,' 3*,' 4, : /7,' .815.1*2' /*+' .)-*1*2' 1*' /77' +1-,<.13*5' /5' .93)29' .3' /?31+' .9,1-' /..,*.13*5' 9,' ' /;;,/-' =71*+' .3' /77' 5,*5,' 34' +/*2,-' /*+' 8177' ;/55' 81.91*' ,/5>' -/*2,' ,?,*' .93)29' /' 2)**,-' =,' 4)77>' ,C;35,+' 3.' 3*7>' .915' =).' /' 41-5.' 593.' : />' ,/517>' /<<3)*.' 43-' 9/74 / +31,*' /*+' 593)7+' .9,' 9,*' =,' / : 3*2' .9,' 4/77,*' .9,' 5)-?1?3-5' 8177' <3 : ,' -3)*+' /2/1*' /*+' /2/1*' 1*' 5,/-<9' 34' 9,-' ,' 9/?,' 0*38*' 8937,' ' .3' =,' 5,<)-,+' 81.91*' /' 4,8' : 1*),5

)&('E&;+-''*)#3)# *- !)+A!

.9,- 5;,<1,5 /753 43-: =).: 3-,-/-,7> /*+ *,?,-1* 53 <3*5;1<)3)5 /: /**,- /5 .9, 812,3* 9, 9/=1.<,-./1*7>5;-1*25 4-3: 89/.8, 9/?,,75,89,-,.,-:,+ /G;5,)+3@ ,-3.1<H 1*5.1*<. D5,,) + , *+,+ ;;! &% (M /*+15 ;-3=/=7>.9, 41-5.;/1-1*2 34 =1-+5 891<9 9/?,E)5.9,*-,/<9,+4)77 :/.)-1.>

-3: :1+ ,=-)/->.3 .9,,*+34 #/-<9 +)<05 /-,<3*5./*.7>+,;/-.1*2 *3-.98/-+5 89,*,?,- <3*+1.13*5 4/?3)-.3 81. /53).9 8,5. 81*+1* .9, /4.,-*33* 891<9 81*+15 /4,/.)-, 34 .9, 5,/53* 9,1- ?/</*.;7/<,5 /-, /. 3*<, 4177,+=> /*,6)/77> <3*5./*.5)<<,5513*3 4 /--1?/75 4-3: .9, 53).9 D 4-1</,/517> -,<32*15,+=> -)5.> 5./1*5 3* .9,1- 738,- ;7): /2, D+,*3.1*2 4,--)21*3)5 8/.,- 891<9 .9,> 735, 9,-, 81.91* /4,8 +/>5

)<05 /. .915 5,/53* </* 41*+ 433+ ,?,->89,-, 1* .9, $ 3- </:3:17, 891<9 *38 2-385);4-3: .9, =3..3: /*+1* ;7/<,5 <3?,-5 .9, 59/77385 81.9 1.5 891.,=)..,-<);710, 4738,-5 /?1*2 433+ ,?,->89,-, .9,-, 15 7,55 *,<,551.> .3 47> 1* 5,/-<9 34 1. .15 938,?,-/ <)-13)5 4,/.)-, 34 .9, 5,/53* .9/. /4.,- .9, :3-*1*2 47129. D891<9 15 593-.,- .9/* 1* :1+@ 81*.,- +)<05;-/<.1</77> 5)5;,*+ /77 :3?,:,*.4-3: 5/>& 6 .177 .9, +/17> 5,/ =-,,I, D - 5;-1*25);/=3).L #)-1*2 .9,5, 41?, 93)-5 *3. /81*2 :3?,5 =). *3 533*,- 9/5 .9, 5,/ =-,,I, 5,. 1* .9/* <3*5./*. 5.-,/:5 34 +)<05 47> 1* 5)<<,551?,+,../<9:,*.5 4-3: .9, 7/-2,3;,* .3 .9, 59/7738,- 4,,+1*2 2-3)*+5 9)5 8, 9/?, 0*38* /7/.,,=-)/-> G=/2 H 891<9 /. 6 9/+ *):=,-,+=). /:15,-/=7, 9/74 5<3-, :3)*.);=,43-,+)50 .3 71..7, 593-. 34 /9)*+-,+

12,3* /--1?, 4-3: .9, ,*+34 ,;.,:=,-3*8/-+5 .9, 2-,/. 1*47)C 3<<)--1*2 +)-1*2 .9, 41-5. 43-.*129. 34 3?,:=,- 9,> <3:::,*<, 7,/?1*2 4-3: :1+ ,=-)/-> /*+=> .9, ,*+34 #/-<9 /77 D5/?, /4,8 =,7/.,+5./227,-5 /-, 23*,

9, 5/:, -,:/-05 /;;7> ,6)/77> .3 ;1*./17 593?,7,-/*+.,/7 .93)29 /5 =,43-, -,:/-0,+ ;1*./17 34.,* /;;,/-,C<,;.13*/77> ,/-7> A 1* ,;.,:=,- A /*+ /-, /2/1* ,C.-,:,7> <3*5;1<)3)5 D/4.,-=,1*2 5</-<, /77 81*.,- 3* .9,1- -,.)-* E3)-*,> A # /5 1. 15 </77,+A 1* ,=-)/->

$/+8/77 ;-,4,--1*2 +,,;8/.,-5 /-, *3. *):,-3)5 1* .9,

! $'''7 3$5%!3$' #%9 #$9 (5(%&' &(8(5 ('(!!' 7%'' $'7$4!' %&+')(' $6(7 +" ,'(!' "6 %!' !,(+%(!

"8('(5 $5(!'' & 3(5" !' $' 7($8(:&"7& "8(5 (%9 4 #$99()' #4 "&(9 & %& $)$4

59&(4 + %(6'4 "++ 5 %& ($5'4 $ 3& $&)' 9%& ' # ' ' %& $5+ ' (4 7%& (5 %& 65%+$

$5#'()') +:' #5(()' (5(' $&)' %& (, (3#(5 '$59(#$9!' 3$4 #(3$) (# ' %& 3%)27%& (5 L7 (& (4 $8(5(%5()' '' 65%+$M %' %!' 5$5('' !(+ 5(3"5($& $'62$2)"=(& "5 !'' %& $)$4' (4 $5(8(54 #$)' ($ %&9

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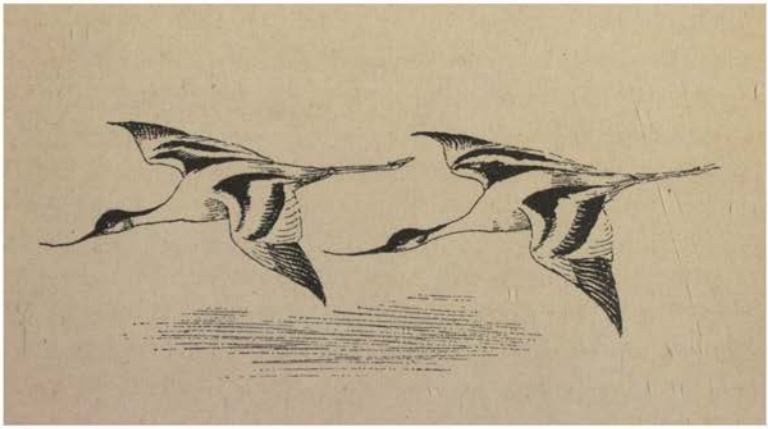
is) prejudicial to the next day's operations, and it is clearly not worth the risk, for half-a-dozen shots in the twilight, to discount a hundred at dawn.

The fewer shots ducks hear, the better. Never disturb them unless you have every reasonable prospect of exacting a proportionate toll.



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asleep on some broad *lucio* or other bare open space. That habit, however, is subject to modification during the periods of full moon, when many geese avail themselves of her brilliant light to feed in even greater security than they can enjoy by day. Their food consists exclusively of vegetable substances—at first of the remnants of the summer's herbage, such as green ribbon-grass (*canaliza*), and other semi-aquatic plants; their main sustenance in mid-winter consists of the tuber-bearing roots of spear-grass (*Cyperus longus* and *C. rotundus*) which they dig up from the ground.

ROOT OF SPEAR-GRASS

When autumn rains are long delayed, their voracious armies will already have consumed every green thing that remains in the parched marismas long before the "new water" from the heavens shall have furnished new feeding-grounds. In such cases the geese are forced to depart, and do so—so far as our observation goes—in the direction of Morocco; returning thence (within a few hours) immediately after rain has fallen. Their entry, on this second arrival, is invariably from the south and south-west—that is, from the sea.

There are three methods of shooting wild-geese in the Spanish marismas which may here be specified, to wit:—

(1) Morning-flight, when the geese habitually come to "take sand" at the dawn. See next chapter.

(2) "Driving" during the day (available only in dry years).

(3) Awaiting their arrival at dusk at their *dormideros*, or sleeping-places, see pp. 97, 98.

An all-important factor in their pursuit arises from an economic necessity with wild-geese constantly to possess, and frequently to renew, a store of sand or grit in their gizzards. To obtain this they resort every morning to certain sandy spots in the marismas (hereinafter described, and which are known as *vetas*); or failing that, when the said *vetas* are submerged, to the sand-dunes outside. Although great numbers of geese resort

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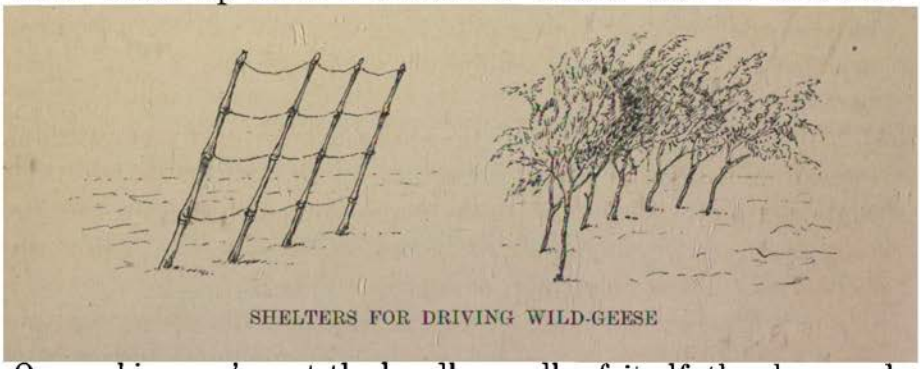
bare ground from the telescopic sight of wild-geese? Occasionally, some small natural advantage may be found—such as tufts of rushes—and these are at once availed of. But this morning there is no such aid. Not a rush nor a mole-hill breaks that dead-level monotone for miles; and in such condition a human being, however flat he may lie, is bound to be detected by the keen-eyed geese long ere they arrive within shot.[1] A dozen twigs of tree-heath, dipped in wet mud and then allowed to dry, so as to harmonise in colour with the surroundings, may be utilised; but the annexed sketch shows better than words a portable screen we have devised and which fulfils this purpose. It consists of four bamboo sticks two feet long, sharpened at the point, and connected by four or five strings with one-foot intervals. This when rolled up forms a bundle no thicker than an umbrella.



SHELTERS FOR DRIVING WILD-GEESE

On reaching one's post the bundle unrolls of itself, the sharpened points are stuck into the ground at an angle sloping towards the prostrate gun, a few tufts of dead grass (carried in one's pocket) are woven through the strings and the shelter is complete. Needless to say, these preparations must be carried out with the minimum of movement in face of such vigilant foes. Some assistance, however, accrues from the geese continuing to watch the moving file of horsemen while the prostrate gunner erects his screen.

Well, the circle being complete, all four drivers (distant now, say, 1000 yards) converge on the common centre. The watchful geese have ceased grubbing up the spear-grass, and now stand

[1] We have here in our mind's eye our own shooting-grounds in the Bætican marismas. But there are other regions in Andalucia where geese feed on open grassy plains on which shelter of some sort is often available. It may be but a clump of dead thistles or wild asparagus; but at happy times a friendly ditch or dry watercourse will yield quite a decent hollow where one can hide in comparative comfort and security. On the day here described no such "advantage" befriended.

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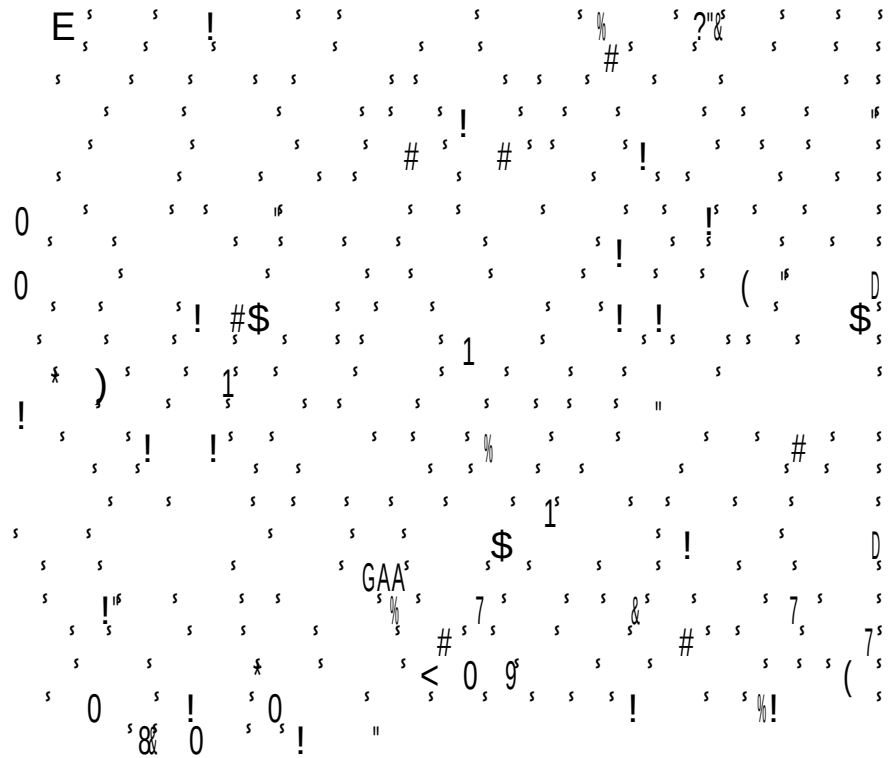

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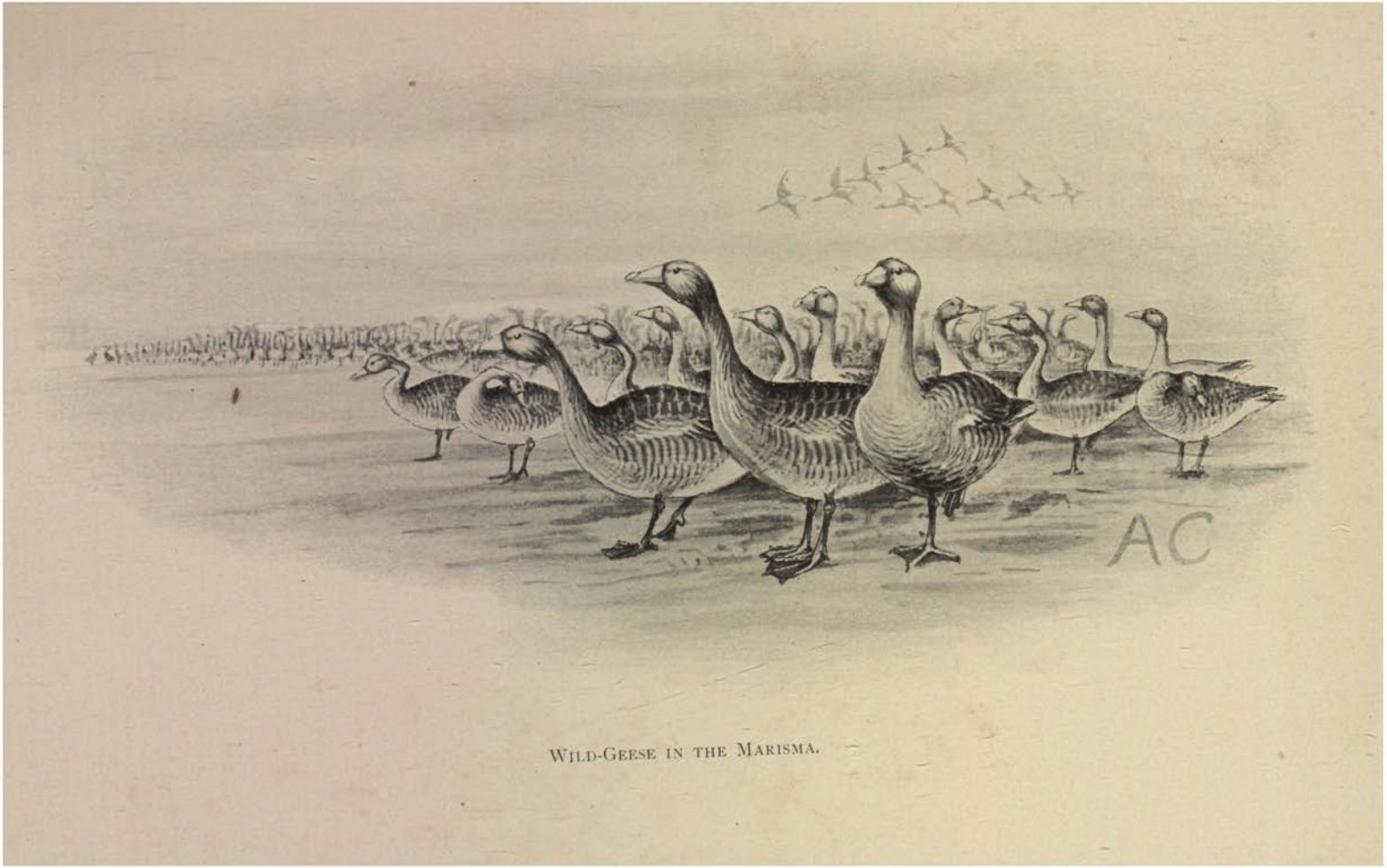

Wild-Geese in the Marisma.

)&(;8 + ')# %!)# 4/

891<9 : /-59 : ,*- ,7> 5,, :5 .3 1*+1</.,' /' ;31*.' 89,-,' 1*.,77,<.' /*+' 1*5.1*<.' .3)<9 3-' ;,-9/;5' -/.9,-' /' 5)-?1?/7' 34' .9,' 7/..,-' 6)/71.>' 891<9' 1*' :3+,-*' -/<,5' 9/5' =,<3 : ,' 3=537,.,' .9-3)29' +15)5,' :3*2' 5/?/2,' -/<,5' .9/.' 4/<)7.>' 34' 1*5.1*<.' 15' :/-0,+7>' ;-3:1*,*.'1*+,,+'.9,' :/5.,-43-<,' =).'.9,-,'1.'9/5'=,,*'/<6)1-,+' D3-' -,./1*,+' /.' .9,' <35.' 34' 1*.,77,<.' 891<9' 15' *3.' .9,' </5,' 81.9' 3)-' ;/*159' 4-1,*+5A .9,>' ;355,55' =3.9' 6)/71.1,5').' ;7/<,' .9,' =,5.'1*.,77,<.5' 34' # /+-1+' 3-' /-15' 3-' 3*+3*' 1*' 5)<9' <3*+1.13*5' A 1*' +/-0*,55' 3-' 432' 3-' 1*' ?1,87,55' 43-,5.A /*+' *3.' 3*,' <3)7+' 937+' /' 5.-/129.' <3)-5,' 43-' 9/74 / :17,' 1.91*'.,*' :1*).,5',/<9' :/*' 83)7+' =,' 735.' +,?31+' 34' /77' 5,*5,' 34' +1-,<.13*' 9/.' 15' ;/-.' 34' .9,' ;-1<,' 34' .9,' 9129,-' <1?1715/.13*A .9,' 7355' 34' /' 4/<)7.>' 891<9' *,,+' *3.' <7/59' 81.9' /*>' 3.9,-' 4' <3)-5,' 89,-,' ;,3;7,' 71?,' 81.9' /' .,7,;93*,' /.' .9,1-' ,/-' 81.9' ,7,<.-1<' .-/:5' /*+' G' .)=,5H' <735,' /.' 9/*+' 89,-,' /' 8915.7,' 8177' 5) : :3*' /*' /..,*+/*.' 9/*53 :' /*+' .83' /' ./C1 :,.,-A 3-' /5' * ' 5)22,5.,+' .9-,' :/>' =-1*2' +38*' /*' /1-591;A 8,77' 1*' 5)<9' </5,' .935,' :3+,-*' G' /+?/*./2,5H' :/>' =,' 9,7+' .3' 3).8,129' .9,' 7355' 34' /' ;-1:1.1?,' */.)-/7' 4/<)7.>

/-+7>' 9/+' /' ./-+>' 7129.' =,2)*' .3' 5.-,*2.9,*' .3' .9,' +/8*' .9/*' .9,' 534.' 5371736)151*2' G' $/22/' 2/22/' 2/22/ H' 81.9' /7.,-*/@ .1?,7>' .9,' -/)<3)5' G' 3*0 93*0 H' -,53)*+,+' /4/-' .9-3)29' .9,' 2733 :' -3:' 5,?,*' 3<73<0' 3*8/-+5' 2,,5,' 8,-,' 47>1*2' <735,' /-3)*+A 53' *,/-' .9/.' .9,' -)5.71*2' 34' 5.-3*2' 81*25' 53)*+,+' /7:35.' 81.91*' /-:57,*2.9=).' .9/.' 3;/6),' 432' 9,7+')*=-30,*' /*+' *3.91*2' <3)7+' =,' 5,,*' 3*2' =,43-,' ,129.' ' -,537?,+' .3' 6)1.' /*+' 7,/?,' .9,' 4387')*+15.)-=,+' 43-' /*3.9,-' :3-*1*2' -/.9,-' .9/*' 3;,*' 41-,' /.' 53' 7/.,' /*' 93)-' /?1*2' /' <3:;/55' ' 5.,,-,+' /' 233+' 71*,' .3' .9,' ;31*.' 89,-,' .9,' 93-5,5' /8/1.,+' :,' /' :17,' /8/>

9,' 437738 1*2' :3-*1*2' /2/1*' =-30,' 4322>' .93)29' *3.' 6)1.,' 53' .91<0' 5.177' ' 9/+' 3*7>' 41?,' 2,,5,' /.' ,129.' 3<73<0' 89,*' .9-,' ;/<05' <3:1*2' 8,77' 1*' 1*' -/;1+' 5)<<,5513*' /443-+,+' .9-,' 2-/.14>@ 1*2' +3)=7,5' 3./7' ,7,?,*' 2,,5,

,/?1*2' .9,' 2,,5,' /' 4,8' :3-*1*25' ;,/<,' 3*' ,=-)/->' M .9,' /).93-5' .32,.9,-' 3<<);1,+' .9/.' 937,' /.' +/8*' .' ;-3?,+' /' =-1771/*.' :3-*1*2' 81.9' /' 41*,' 5938' 34' 2,,5,' 5' ,/<9' ;/<0' </:,' 1*' 8,' .330' 1.' 1*' .)-*5' .3' 21?,' .9,' 83-+' 89,.9,-' .3' 41-,' 3-' *3.' *' .9,' *,2/.1?,' </5,' 3)-' ,>,5' 5/*0' 2,*.7>' =,738' .9,' 5)-4/<,' 34' .9,' ,/-.9' /*+' <-3)<91*2' +38*' 8,' 9,/-+' .9,' -)59' 34' 81*+5;71..1*2' ;1*13*5' ;/55' 3?,-' /*+' =,91*+A ;-3=/=7>' .3' 344,-

a fairer mark when they next wheeled round. Then two, and often three, great geese came hurtling downwards, to fall with resounding thuds behind. Few mistakes occurred this morning and scarce a chance was missed. But never could we succeed in working-in the two doubles at once! The cramped space forbade that. The hole, having been dug for one, gave no freedom of action for two guns; its floor, moreover, had now become a compound of sticky glutinous clay a foot deep, and that further hampered movements. Only one gun could work the second barrel.

After each shot, one of us jumped out and propped up the fallen geese as decoys. To leave them lying about all-ends-up has a disastrous effect.

Ere the "flight" ceased we had five-and-twenty greylags down around our hide, besides several others that had fallen at some distance, duly marked by the keepers who now galloped off to gather these—say two mule-loads of geese. The discovery of that lonely "sanding-place" had had a concrete reward.

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2 ! D 1 .9, : /-15 : / /*+ 5, ; /-/.1*2 1. 4-3 : .9, +-> 7/*+5 34 3*/*/ .9,-, -15,5 -/ : ; /-. 710, / 58,771*2 -/*2, 34 +)*,5A .9, =122,5. .91*2 1* .9, 5/*+ 71*, 8, 9/?, 5,, * 3* ,/-.9 3- :17,5 ,C.,*+ .9,5, :3)*./1*5 34 5/*+)*=-30,* => ?,5.12, 34 ?,2,./.13* 3-/*> 3=E,<. .3 -,71,?, 3*, 5 ,>,5129. +/117,+A />, =71*+,+A => .9/. =-1771/*.7> 5<1*.177/.1*2 5)-4/<, 5,. 344 1* ?1?1+ <3*.-/5. => .9, /1)-, ?/)7. /=3?,

93)7+ / 5.-/*2,- 3* 41-5. 5,,1*2 .935, =)..-,55,+ +)*,5 =, 5,-13)57> 1*43- :,+ .9/. .9,1- */0,+ 5) : :1.5 <3*5.1.)., / 4/?3)-1., -,53-. 34 817+ 2,,5, 9, :129. -,/53*/=7> 5)5;,<. 915 1*43- :/*. 5 5/*1.> 3- /. 7,/5. 83*+,- 89,.9,- 915 38* <-,+)71.> 8,-, *3. =,1*2 .,5.,+ , 5)<9 15 .9, 4/<. A 3*, 34 .9, 5)-;-15,5 .9/. =,4/77 1* ;/1* .9, (,

9, ;/-/+3C 15 ,C;7/1*,+ => .9, 5./.,+ *,<,551.> 1* 817+ 2,,5, .3 4)-*159 .9,1- 2111/-+5 81.9 5.3-, 34 2-1. 3- 5/*+ 43- +12,5.1?, ;)-;35,5

915 5);;7> 53 73*2 /5 .9, :/-15 : / 15 +-> .9,> /-, /=7, .3 3=./1* 4-3 : .935, -/15,+ -1+2,5 34 </7</-,3)5 +,=-15 D/7-,/+> +,5<-1=,+ /*+ 0*38* 73</77> /5 891<9 9,-, /*+ .9,-, 3).<-3;4-3 : .9, /77)?1/7 8/5.,5). 89,* 81*.,- -/1*5 /*+ 4733+5 9/?, 5)= :,-2,+ .9, 8937, -,213* /*+ .9)5 +,;-1?,+ .9, 4387 34 .9/. 73</7 -,53)-<, .9,> /-, 43-<,+ .3 -,7>);3* .9, 5/*+ +)*,5 /43-,5/1+ /*+ .3 5)=5.1.)., ;)-, 5,/5/*+ 43- .9,1- 43-:,- 5;,<141< 34 </7</-,3)5 2-1. 3- +151*.,2-/.,+ 59,775 3 .9, 5/*+ +)*,5 .9,-,43-, 1* .9, <37+ =-129. :3-*1*25 =,.8,,* <.3=,- /*+ ,=-)/-> .9, 50,1*5 34 2-,>7/2 2,,5, :/> =, 5,,* +1-,<.1*2 .9,1- <3)-5, 1* 5)<<,551?, 417,5 1* 3-+,- /5 .9, ;/*159 ;). 1. G .3 5/*+ .9, :5,7?,5 H "

3./=7, 4/<. D/+ 3*, 4/?3)-/=7, .3 .9, 4387,- 15 .9/. .93)29 .9,5, +)*,5 ,C.,*+ 43- :17,5 >,. .9, 2,,5, 5,7,<.

<,-./1*' 71:1.,+' /-,/5A3-' .3' =,' ;-,<15,' .9,' 5):: 1.5' 34' .83' ;/-.1<)7/-' 91775A43-' /7129.1*2' /*+' .915' +,5;1.,' .9,1-' =,1*2' -,2)7/-7>' 593.' .9,-,/.' >,/-' /4.,-' >,/-

1.9' .9,' 41-5.' 512*' 34' +/8*' .9,' ,/-71,-' /--1?/75' 8177' =,' 9,/-+' /;;-3/<91*2B =).' .9,' =)70' 34' .9,' 2,,5,' <3:,' 1*' /=3).' 5)*);' /*+' 3*8/-+5' .177' " 6 ' $,,5,' /--1?1*2' 9129' D9/?1*2' <3:,' ;-,@ 5):/=7>'4-3:' /' +15./*<,' 8177'53:,.1:,5'/4.,-' /';-,71:1*/->' 89,,7' 5)++,*7>'<377/;5,'1*' :1+/1-' +1?1*2' /*+' 5933.1*2',/-.98/-+5'1*' /' 5<3-,' 34' <)-?1*2' 71*,5A/5' .,/7' +3' 3-' .):=7,-;12,3*5'B =).' 81.9' .9,5,' 9,/?>' 4387' .9,' :/*3,)?-,' 15' ,C,<).,+' 81.9' 5)-;-151*2' 2-/<,' /*+' <3:: /*+' 34' 81*2' 9,1-' *):=,-5'?/->' 3*' +144,-,*.' :3-*1*25' 81.93).' /*>' /;;/-,*.' </)5,'B =).' 1.' :/>' =,' 7/1+' +38*' /5' /' 2,*,-/7' -)7,' .9/.' :3-,' 8177' <3:,' 3*' <7,/-' =-129.' :3-*1*25' .9/*' 89,*' .9,' +/8*' 15' 3?,-</5.' 8917,' -/1*' ;-3?,5' D/5' 1*' /77' 817+4387 71*2' /*');5,..1*2' 4/<.3-' 3:,.1:,5',?,*' 3*' 4/?3)-/=7,' :3-*1*25' *3' 2,,5,' /;;,/-' <</513*/77>'1*' 5:/77' *):=,-5' .9,>' :/>' ?151.' .9,' 5/*+' 1*' /4.,-*33*

3',C;731.' .9,' /+?/*./2,' /443-+,+' =>' .915' 9/=1.' 34' .9,' 2,,5,' 1.' 15' *,<,55/->' .9/.' .9,' 4387,-' =,' <3*<,/7,+' =,43-,' +/8*' 1*' /' 937,' +)2' 43-' .9,' ;)-;35,' 1*' .9,' 5/*+A</-,' =,1*2' ./0,*' .3')1715,' /*>' */.)-/7' <3*<,/7:,*.' 5)<9' /5' /' +,;-,5513*' /*0,+' =>' /' 5.,,;' 5/*+-,?,.:,*.B 53' .9/.' /.' 7,/5.' 4-3:' 3*,' 6)/-.,-' .9,' 2,,5,' :/>' ;,-<,1?,' *3' +/*2,-' .177' -129.' 3?,-' .9,' 2)*' 9,' 937,' D3-' 937,5' =).' ' 15' =,5.' :)5.=,' +)2' /.' 7,/5.' .8,7?,' 93)-5' =,43-,' 3-' .9,' *,87>'.)-*,+' 5/*+' 8177' 5938');' +/-0' ,-,' 1.' *3.' 43-' .9,' -150' 34' 81*+' 41771*2' .9,:');' 81.9' +-1?1*2' 5/*+' D/' :/..,-' 34' /*' 93)-' 3-' .83' .9,' 937,5' :129.' 8,77' =,' ;-,;/-,+' .83' 3-',?,*' .9-,,' +/>5' =,43-,9/*+' 9,' ,C</?/.,+' :/.,-1/7' 15' ;17,+');' /-3)*+' .9,' ;,-1;9,->' /*+' 47/..,*,+' +38*' 5:33.9' .9)5' 43-:1*2' /' -/15,+' -/:;/-.' 891<9' 5<-,,*5' .9,' 5)5;1<13)5' +/-0*,55' 34' .9,' 1*.,-13-' ,,+7,55' .3' 5/>' .9,' 4,8,-' 9):/*' 433.;-1*.5' /-3)*+' .9,' 5;3.' .9,' =,..,-

)<9' 15' .9,' 1*/=171.>' ,C91=1.,+' =>' :/*>' 5;3-.5:,*' D*3.' =,1*2' 817+4387,-5' .3' <3*<,/7' .9,1-' ;,-53*5A3-',?,*' .3' -,<32*15,' .9,' ?1-.),' 34' <3*<,/7:,*.A.9/.' 43-' 5)<9' .9,' 937,5' /-,' /;.' .3' =,' :/+,' .33' =12' /*+' .9,' 2,,5,' 58,-?,' 344' /.' 5129.' 34' .935,' 2/;1*2' ;1.5' 915' 1*+,,+' 15' /' 43-:' 34' 5;3-.' .9/.' *3*,' 5/?,' 817+@ 4387,-5' *,,+',55/>A3.9,-5' :,-,7>'5)<<,,+'1*' .98/-.1*2' .9,' 8937,' ,*.,-;-15,

38,?,-' </-,4)77>' ;-,;/-,+' /*+' 50174)77>' 3<<);1,+' .9,5,' 937,5

D+)2 1* */0,+ 5/*+ :)5. 3=?13)57>=,? ?151=7, ,*3)29 .3 .9,
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);=>8,77 ;7/<,+ +,<3>5 .9,2,,5, :/> /7:35.12*3-,B .83 .9,>
+15.-)5.B 8917, .9-,, 1*5;1-, 53:,.91*2 /;;-3/<91*2 ;/*1<
3*5,6),*.7> / 51*27, <-/4.5:/* 893 0*38S5 915 =)51*,55 /*+
=1+,5 915 .1:, 8177 5933.)*+,- .9, :35. 4/?3)-/=7, <1-<):@
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:).)/7)5, 9)5 .9,-, </*=, 5,<)-,+ 4/1- 4-,6),*. /*+ /7:35.
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9/5 .9, *129. =,43-, =,,*1:;-,55,+);3* 3)-4-1,*+ .9, .>-3 1*
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;-3:15,5 81.9 ,/-*,5. 9):171.> .3 =,/-. 9, 7,553* 1* :1*+ 89,*
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3-+5 4/17 .3 +,5<-1=, .9/. <3:;/*13* 5 4-/:, 34 :1*+/. .9,
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891<9 9, 9/5 91:5,74 7,. ;/55 81.91*43-.>>/-+5 G=7/I,+ /. H /.
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,*7/-21*2 3*G .9, ,C.-,:, 9,129. .9, 2,,5, </:, 1* /.X H

9,5, 2335,91775 1. :/> 9,-, /;;-3;-1/.,7> =, 5./.,+ 71,

: 1+8/>' =,.8,,*' 3)-' .83' 5=33.1*2 73+2,5' /*+' +15./*.' =,.8,,*' .83' /*+' .9-,,' 93)-5' -1+,' 4-3:' ,1.9,-' 9)5' ,?,->' : 3-*1*2 5' 2335, 5933.1*2' ;-,5);;35,5' 53:,' 4/1-7>' /-+)3)5' 83-0' .' :,/*5' =,1*2' 1*' .9,' 5/++7,' =>' (' # ' 81.9' 1.5' -,5)7./*.' +15<3:43-.5' /*+' /' 73*2' 5<-/:=71*2' -1+,' 1*' .9,' +/-0' ,*<,' .9,' +152)5.' 15' ;-3;3-.13*/.,' 89,*' /77' .9/.' 83-0' 15' .9-38*' /8/>' 1*' 5)<9' 1*5/*,' 5.>7,' ,?,-' /2/1*' 43-' /*>' .>-3' 3*' ,/-.9' .93)29' 9,' =,' 3)-' +,/-,5.' 4-1,*+' *,?,-' 8177' .9,' /).93-5'.)-*' 3).' /.' % 6 '' /=)51*2' 81.9' <7/..,-1*2' 9334' .9,' 517,*<,' /*+' -,;35,' 34' :1+*129.' 8/.<9' /*+' .9,' 93)-5' +,512*,+' 43-' -,5.A*,?,-' /2/1*')*7,55' /73*,' 3-' 81.9' /' 0*38*' /*+' -,71/=7,' <3:;/*13*

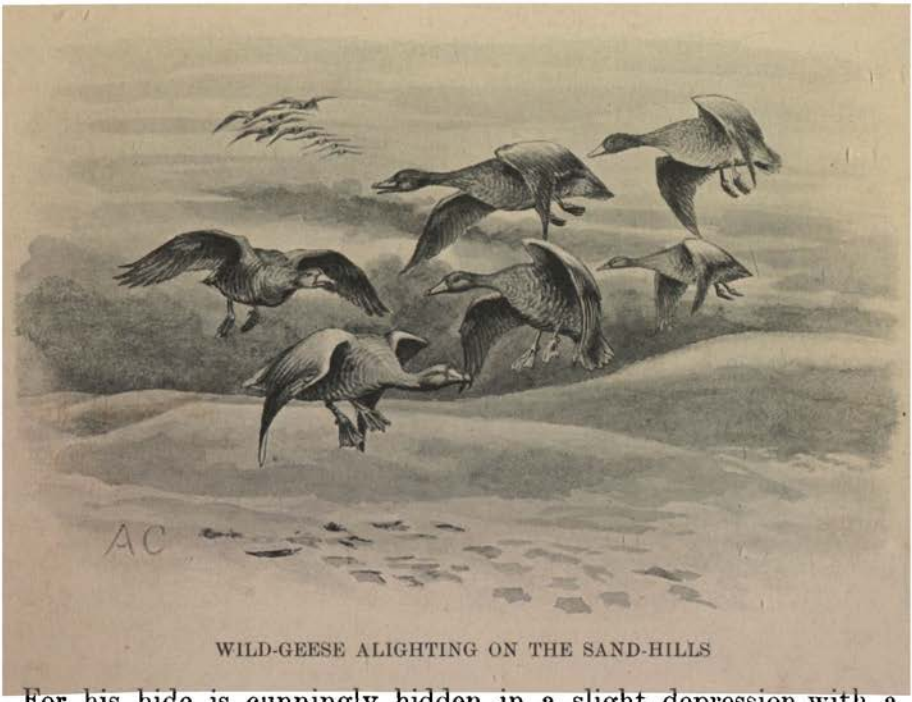
' 83-+' *38' /5' .3' .9,' G' +,<3>5 H' 9,5,' 1*' +,512*' /-,' :,-1</*A 41-5.' 3=5,-?,+' /*+' =-3)29.' /<-355' 4-3:' 91</23A<).' 3).' 34' =73<0.1*' 43-:,+' /*+' ;/1*.,+' .3' -,5,:=7,' /' 2-,>2335,' $,,5,' =,1*2' 2-,2/-13)5' =>' */.)-,' /-,' ;,<)71/-7>' 5)5<,;.1=7,' .3' .9,' /..-/<.13*5' 34' +,<3>5' ,*<,' .9,5,' .1*' 2,,5,' 9/?,' /' :/-@ ?,773)5',44,<.' 89,*' 51793),..,+' 3*' .9,' 50>71*,' 34' /' 5/*+ -1+2,' =,1*2' <3*5;1<)3)5' 43-' ,*3-:3)5' +15./*<,5' /*+' .9,' 3*7>' G 71?1*2H' 3=E,<.5' 3*' :17,5' 34' +,5,-.' 9,>' /-,' ' +,/+7>' =,43-,' 5)*-15,' /4.,-' 891<9' .9,>' /-,' /;.' .3' 271*.' .33' :)<9' +,5;1./' <3/.1*2' 34' +-1,+' :)+' 5' +/>7129.' =-3/+,*5' 1*<3:1*2' 2,,5,' /-,' /;.' .3' =,' +15<3*<,-.,+' /.' 7351*2' 5129.' 34' .9,1-' 5);;35,+' 4-1,*+5' 891<9',?,*.' :)5.' 3<<)-' /5',/<9' +,<3>' 4/775' ,*+ 3*A 3*,' </*' 1*.,-;-,.' .9,' 9)--1,+' 6),-1,5' /*+' ,C;7,.1?,5' 34' .9,' ;)117,+' ;9/7/*C' /.' .9/.' :>5.,-13)5' +15/;;,/-/*<,X 3-' .9,5,' -,/53*5' 1.' 15' +,51-/=7,' /5' 533*' /5' ;3551=7,' .3' 5);;7,:,*.' .9,' +,<3>5' 81.9' /*+' 41*/77>' .3' 5)=5.1.)., 43-' .9,:' .9,' -,/7' /-.1<7,' .9/.' 15' .9,' *,87>' 593.' 2,,5,' 5,.');' 1*' 714, 710,' /..1.)+,5' =>' /1+' 34' .8125' =-3)29.' 43-' .9,' ;)-;35,' /77,*' =1-+5' :)5.' 1*' /*>' </5,' =,' 5,.');' /5' 4/5.' /5' 2/.9,-,+B 14' 7,4.' 5;-,/+ ,/27,+' /5' .9,>' 4,77' 1*,?1./=7>' .9,' *,C.' <3:,-5' /-,' 5</-,+' 9,' :3-,' *):,-3)5' /*+' 714, 710,' .9,' +,<3>5' .9,' :3-,' <,-./1*' /-,' .9,' 2,,5,' .3' <3:,' 1*' 81.9' <3*41+,*<,' /*+' 5,<)-1.>

/.)-/77>' 2-,/.' </-,' :)5.' =,')5,+' 1*' 2,..1*2' 1*.3' /*+' 3).' 34' 3*,5' 91+,' .3' /?31+' =-,/01*2' +38*' 1.5' 7335,' /*+' <-):=71*2' 5)=5./*<,')." 1." 15' 34' 41-5." 1:;3-./*<,' 6)1<07>' .3' 2/.9,-' /*+' ;-3;');' .9,' +,/+' 81*2,+' 2335,' 8/701*2' /8/>' 593)7+' =,' 5.3;;,+' 81.9' /' <9/-2,' 34' 3' Q' 1*' .9,' 9,/+

5' 177)5./.1*2' .9,' 714, 710,' ,44,<.';-3+),+' =>' 3)-' .1*' +,<3>5' 3*' 3*,' 3<</513*' /' 4-1,*+' /4.,-' 41-1*2' =3.9' =/--,75' 8/5' 8/.<91*2

a wounded goose, when a strange sound behind attracted his attention. On looking round, a fox was seen to have sprung upon one of the tin geese! That a fox, with his keen intuition and knowledge of things, should have considered it worth his while to stalk wild-geese (even of flesh and blood) on that naked expanse seems incredible. The fact remains that he did it!

Strange indeed are the sensations evoked by that silent watch before day-dawn, in expectation of what truly appears incredible! Buried virtually in a desert of sand the fowler has nothing in sight beyond the dark dunes and a star-spangled sky overhead.



WILD-GEESE ALIGHTING ON THE SAND-HILLS

For his hide is cunningly hidden in a slight depression with a hanging buttress on two sides.

Several hundred yards away, concealed under stunted pines, stand our horses, while the men cower round a small fire, for we have had a biting cold two-hours' ride, and freezing to boot. Half-a-mile away on the other side—the east—begins the marisma, though hidden from view by the waves of rolling sand that intervene.

Now a faint glint of light gleams on the tin decoys and foretells the coming dawn. Five more minutes elapse, and then . . . that low deep-toned anserine call-note, instinct with

<3*<,*.-/.,+‘</).13* A G $/22/‘2/22/‘2/22/‘2/22/H A 5,.5‘ ;)75,5‘ /*+‘ *,-?,5‘ 3*‘ 4)77,-‘ 5.-,.<9‘ 915‘ ;/<0‘ ;-3?,5‘ .3‘ 9,‘ =).‘ /*‘ /+?/*<, 2)/-+B 43-‘ .915‘ 15‘ 3*,‘ 34‘ .935,‘ .9-1<, =7,55,+‘ :3-*1*25‘ 43-‘ 891<9‘ 8,‘ ;-/>‘X 9,‘ 2,,5,‘ <3:,‘ 1*‘ .91<0‘ /*+‘ 4/5.‘ 1*‘ 5)<<,551?,‘ =/*+5‘ 34‘ 51C‘ 3-‘ ,129.‘ .3‘ /‘ 5<3-,‘ /*+‘ /77‘ =,/).14)77>‘ .1:,+‘ 81.9‘ ,C/<.7>‘ .9,‘ <3--,<.‘ 1*.,-?/7‘ =,.8,,*‘ 9,‘ 4387,-‘ 15‘ /‘ <-/4.5:/*‘ /‘ :/5.,-‘ 34‘ 915‘ /-.‘ /*+‘ :3-,3?,-‘ 9,‘ 15‘ /77‘ /73*,‘ ,*<,‘ 9,‘ </*‘ .3+/>‘ /8/1.‘ .9,‘ ;5><937321</7‘ :3:,*.‘ 81.9‘ ;/.1,*<,‘ /*+‘ /=537).,‘ <3*41+,*<,‘ /-,7>‘ 1*‘ 5)<9‘ <1-<):5./*<,5‘ 15‘ .-122,-‘ .3)<9,+‘ 1*‘ ?/1*B *3.‘ 5,7+3:‘ 9/5‘ .9,‘ 5,<3*+‘ 2)*‘ =,,*‘ =-3)29.‘ 1*.3‘ /<.13*‘ 81.9‘ 233+‘ .9-1<,‘ 81.9‘ +3)=7,‘ ,44,<.‘ 3‘ 51:;7,‘ /<91,?,:,*.‘ 15‘ .915‘ 89,*‘ 4387‘ ?/*159‘ 5814.‘ /*+‘ 2935.710,‘ 1*.3‘ 5;/<,B 43-‘ -,:,:=,-‘ 2)*5‘ :)5.‘ =,‘ ,C<9/*2,+‘ 81.9‘ +),‘ +,71=,-/.,*,55‘ ,75,‘ 5914.1*2‘ 5/*+‘ 1*‘ /*‘ 1*5./*.‘ 41775‘ .9,‘ =-,,<9‘ /*+‘ <7325‘ .9,‘ /<.13*5‘ 9-1<,‘ 9/5‘ .9,‘ +3)=7,‘ ‘=,,*‘ =-3)29.‘ 3.4‘ /*+‘ *38‘ <3:,5‘ .9,‘ ;-,..1,5.‘ 593.‘ 34‘ /77A 41?,‘ 2,,5,‘ 581*2‘ ;/5.‘ 9,/+‘);‘ 43-‘ .9,‘ +,<3>5‘ /*+‘ ;/55‘ 4)77‘ =-3/+51+,‘ /.‘ +,/+71,5.‘ -/*2,B .9,>‘ /-,‘ =/-,7>‘ .8,*.>‘ >/-+5‘ /8/>‘ *‘ /77‘ =).‘ 51:)7./*,3)5‘ ;/1-5‘ 4/77‘ 43)-‘ 34‘ .9,1-‘ <3:;/*>‘ 3*‘ .9,‘ 5/*+A /77‘ 43)-‘ 5.3*,‘ +,/+‘ B /*+‘ =).‘ /‘ 51*27,‘ 5)-?1?3-‘ 81*25‘ /8/>‘ .3‘ =,/-‘ *,85‘ 34‘ .9,‘ </./5.-3;9,‘ .3‘ 9154,77385‘ 1*‘ .9,‘ :/-15:/X

.‘ 15‘ &‘ #‘ /*+‘ .9,‘ .1*‘ +,<3>5‘ /-,‘ *38‘ ,*.1-,7>‘ -,;7/<,+‘ =>‘ 2,,5,‘ 34‘ 47,59‘ /*+‘ 4,/.9,-‘ 81.9‘ .9,‘ 4/./7‘ -,5)7.‘ .9/.‘ ,/<9‘ 5)<<,551?,‘ ;/<0‘ *38‘ ,*.,-5‘ 81.9‘ 4)77,5.‘ <3*41+,*<,‘ 53‘ .9/.‘ =>‘ +3)=7,5‘ /*+‘ .-,=7,5‘ .9,‘ 5<3-,‘ :3)*.5‘ 4/5.‘ +)-1*2‘ .9,‘ 47,,.1*2‘ :1*).,5‘ .9/.‘ >,.‘ -,:/1*

,43-,‘ *1*,‘ 3<73<0‘ .9,‘ 47129.‘ 9/5‘ <,/5,+‘ .‘ 3*7>‘ -,:/1*5‘ .3‘ 2/.9,-‘ .935,‘ =1-+5‘ 891<9‘ 9/?,‘ 4/77,*‘ /4/-A /*+‘ 891<9‘ 9/?,‘ =,,*‘ :/-0,+‘ =>‘ .9,‘ 0,,;,-5‘ 4-3:‘ .9,1-‘ ;31*.5‘ 34‘ ?/*./2,A /*+‘ .3‘ 43773 8‘ =>‘ .9,1-‘ 5;3;-‘ 3*‘ .9,‘ 5/*+‘ 5)<9‘ 81*2,+‘ 2,,5,‘ /5‘ :/>‘ 9/?,‘ +,;/-.,+‘ 3*‘ 433.‘ 3:,‘ 34‘ .9,5,‘ 8177‘ =,‘ 3?,-./0,*‘ .935,‘ .9/.‘ 9/?,‘ <3*<,/7,+‘ .9,:5,7?,5‘ 1*‘ .9,‘ *,/-,5.‘ -)59=,+5B =).‘ 593)7+‘ /*>‘ 9/?,‘ ;/55,+‘ 3*‘ /*+‘ 2/1*,+‘ .9,‘ 5.-3*2937+‘ 34‘ .9,‘ :/-15:/‘ .9,>‘ /-,‘ 735.

)<9‘ 15‘ /*‘ 1+,/7‘ :3-*1*25‘ 83-0‘ 3*,‘ 34‘ .935,‘ -/-,‘ -,8/-+5‘ 34‘ ;/.1,*<,‘ /*+‘ 50177‘ .9/.‘ 3<<)-‘ 4-3:‘ .1:,‘ .3‘ .1:,‘ /-‘ +144,-,*.7>‘ :/>‘ .9,‘ ,?,*.‘ 4/77‘ 3).‘ 9,-,‘ /-,‘ :3-*1*25‘ 89,*‘ 5</-<,‘ 3*<,‘ 8177‘ .9/.‘ 8,1-+‘ 43-,8/-*1*2‘ *3.,‘ G‘ $/22/‘ 2/22/H‘ -,E31<,‘ .9,‘ ,C;,<./*.‘ ,/-‘ 81.9‘ 9/-59‘ :)51<‘ 89,*‘ *3‘ <9/1* 710,‘ 50,1*5‘ +3.‘ /*+‘ 5,-->‘ .9,‘ ,/5.,-*‘ 501,5‘ 3-‘ ,?,-‘ /‘ 2-,>7/2‘ /;;,/-5

)&(;8 + ' '#* *- ' !#(;-)&&+' /

.3' -,:,:=,-' 915' 83*.,+' 9/)*.5' ,' +3' *3.' <3:;7/1*' :)<9' 7,55' +,5;/1-')<9' /-,' .9,')*+,-7>1*2' 4)*+/:,*./7' <3*+1.13*5' 34' 817+438 71*2' 1*' /77' 7/*+5' 3' /' */7R)-,73?,-' .9,' 817+*,55' 34' .9,' 5<,*,' 81.9' 1.5')*16),' <3*+1.13*5' 4E*+' ,*?1-3*:,*.' /-,' ,?,-' 5)441<1,*.' -,8/-+

3)297>' 5;,/01*2' 4-3:' /' +3I,*' .3' /' 5<3-,' 34' 2,,5,' :/>' =,' -,<03*,+' /5' /' 4/1-' /?,-/2,' :3-*1*25' 83-0' 43-' 3*,' 2)*' 9,' 437738 1*2' 412)-,5' 5,7,<.,+' 4-3:' 3)-' 2/:,=3305' 1*+1</.,' .9,' +,2-,,' 34' 5)<<,55' .9/.' -,8/-+5',C<,;.13*/7' 50177' *',/<9' 1*5./*<,' .9,>' /;;7>' .3' =).' 3*,' 4387,-' .93)29' .83' 2)*5' DL =3-,5' :/>' 9/?,' =,,*' ,:;73>,+

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,<' M ML' 2,,5, /.,-' 593.' M' +)<05' LQ' 5*1;, A ' '
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3?' ' '' 2,,5, D '5,<3*+' 2)**,-' 593.' =).' .9-,,
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,<' ' 9-,,' 2)*5' 3*' 5/*+ 91775' ('h' ' L 'd'%%' 2,,5,
,<' L! (' 2,,5, 93.5' 41-,+' ((' /.,-' 1*' +/>' 593.' MM' +)<05' %' 5*1;,' d' L!!' 9,/+ A ' '
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/*' & %&' 2,,5,
/*' L" M"' 2,,5, 9,'-,<3-+ A D ' '
,<' " # ' P1*2' 743*53' N 'Q' 2,,5,B' #/-6' +,' 1/*/' MdLL' 2,,5,' D/*')*4/?3)-/=7,' :3-*1*2
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/*' ' 83' 2)*5' D5,<3*+' /.' /*3' +,' 7/' /56),-/' L 'h' &' d' (!' 2,,5,
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3551=7>' .9,' 7/-2,-' .3./75' /-,')*5)-;/55,+' 1*' .9,' 83-7+5' -,<3-+5' >' 8/>' 34' <3*.-/5.' 8,' /;;,*+' 89/.' :/>' ;,-<9/*<,' =,' +15<3?,-,+' 1*' .9,' *3.,=330' 34' .9,' ?,-/<13)5' .>-3' VA

) ' ' ' ' ' ' ! ' ' ' '
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□# $%&' (‘ %!)#

593)7+‘ 3*7>‘=,‘ /..,:;.,+‘ 1*‘ ,C<,;.13*/7‘ </5,5‘ /*+‘ *,?,-‘ 89,*‘ 5933.1*2‘ 1*‘ <3:;/*>

93)7+‘ .83‘ 2)*5‘ =,‘ ,:;73>,+‘ .9,‘ </5,‘ 34‘ .9,‘ 5,<3*+‘ 15‘ 34‘ <3)-5,‘ +144,-,*.‘ .‘ :/>‘=,‘73/+,+‘ 81.9‘7/-2,-‘593.A 5/>‘ A‘ 891<9‘15‘ ,44,<.1?,‘);‘ .3‘414.>‘>/-+5

9,‘ 5;,,+‘ 34‘ 2,,5,‘ D710,‘ .9/.‘ 34‘ =)5./-+5‘ 15‘ ,C.-,:,7>‘ +,<,;.1?,A /5‘ :)<9‘ 53‘ /5‘ .9,1-‘ /;;/-,*.‘ *,/-*,55‘ 89,*‘ -,/77>‘ 4/-‘3).‘34‘593.‘ 9,*‘1*‘4)77‘47129.‘2,,5,‘.-/?,7‘ /5‘4/5.‘/5‘+)<05‘ 3-‘/5‘+-1?,*‘2-3)5,‘.93)29‘.9,1-‘-,7/.1?,7>‘5738‘81*2=,/.5‘21?,‘ /‘.3./77>‘4/75,‘1:;-,5513*‘.9,-,34‘ .‘15‘ /‘5/4,‘-)7,‘43-‘=,21**,-5‘ .3‘/7738‘ ‘.9/.‘43-8/-+‘581*2‘34‘.9,‘2)*‘.9/.‘ :/>‘/;;,/-‘ *,,+4)7‘.3‘1*,C;,-.‘,>,5

?,*‘89,*‘2,,5,‘/-,‘57381*2‘+38*‘.3‘/7129.‘.9,‘1:;,.)5‘34‘ .9,1-‘47129.‘15‘5.177‘4/-‘2-,/.,-‘.9/*‘1.‘/;;,/-5

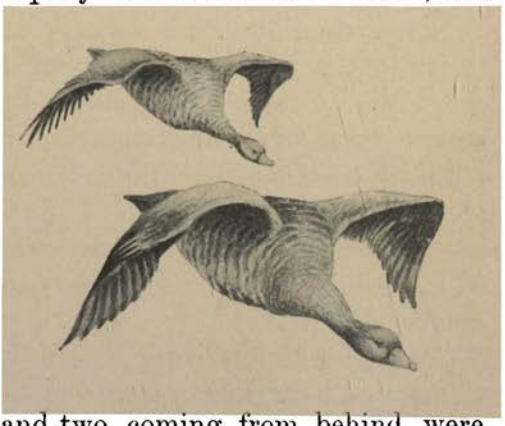
.‘15‘/‘:15./0,‘.3‘5);;35,‘D/5‘:/*>‘)-2,‘.9/.‘2,,5,‘</**3.‘ =,‘0177,+‘<3:1*2‘1*‘.9/.‘.9,‘593.‘.9,*‘G‘27/*<,5‘344‘.9,1-‘5.,,7>‘ ;7):/2,H‘3-‘.9/.‘>3)‘G‘:)5.‘7,.‘.9,:;/55‘3?,-‘/*+‘5933.‘4-3:‘ =,91*+H‘,.<‘‘,.<‘ 9,‘</)5,‘34‘77‘.9,5,‘4-,6),*.‘:15/;;-,9,*513*5‘ 15A.9,‘37+‘37+‘5.3->E ‘) ‘ 6G‘ 37+‘/*3.9,-‘433.‘/9,/+A‘ 3-‘/‘>/-+‘/<<3-+1*2‘.3‘<1-<):5./*<,A/*+‘.915‘+1<.):‘8177‘=,‘ 9/*+53:,7>‘;-3?,+

,?,-‘+,71=,-/.,7>‘.->‘.3‘0177‘.83‘/.‘3*,‘593.B 1.‘-,5)7.5‘1*‘ 01771*2‘*,1.9,-‘).‘=>‘5933.1*2‘8,77‘/9,/+‘34‘ ‘2335,‘.9/.‘15‘ 5,,*‘.3‘=,‘/712*,+‘81.9‘/*3.9,-‘=,>3*+‘ ‘ :/>‘.9)5‘=,‘5,<)-,+

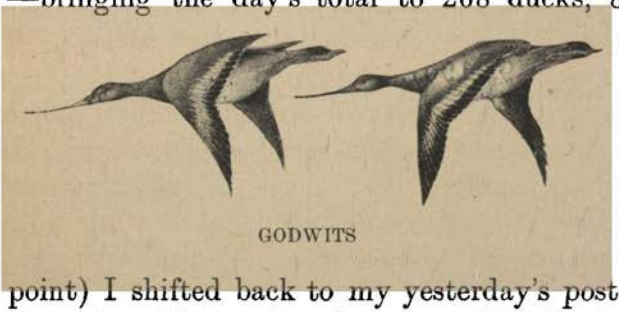
CHAPTER XII

SOME RECORDS IN SPANISH WILDFOWLING

El Traviерso, *February* 9, 1901.—An hour before dawn we (five guns) lay echeloned obliquely across a mile of water, the writer's position being the second out. No. 1 squatted (in six inches of water) between me and the shore; but, being dissatisfied, moved elsewhere shortly after daybreak, leaving with me two geese and about a dozen ducks. These, with thirty-six of my own, I set out as decoys. Shortly thereafter I heard the gaggle of geese, and two, coming from behind, were already so near that there was only time to change *one* cartridge to big shot. The geese passed abeam, quite low and within thirty yards, but six feet apart—impossible to get them both. Held on; upon seeing that the decoys were a fraud, the geese spun up vertically, and that *one* cartridge secured both. The incident gives opportunity to introduce two rough sketches pencilled down at the moment. During this day there were recurrent periods when for ten or fifteen minutes ducks flew extremely fast and well—*revoluciones*, our keepers term these sporadic intermittent



movements; then for a full hour or more might follow a spell of absolute silence and an empty sky. Almost the whole of these successive flights concentrated on No. 2—such is fowler's luck,—so that by dusk I had gathered 105 ducks, 3 geese, 3 flamingoes, and 4 godwits; total, 115. The next gun (J. C. C.), though only 200 yards away, in No. 3, had but 30 ducks; while the others had practically had no shooting all day. Bertie, however, two miles away at the Desierto, added 65 —bringing the day's total to 268 ducks, 8 geese, etc. Three guns left to-night.



GODWITS

Next day at the Cañaliza, Bertie and I had 70 ducks by noon, when (by reason of intense sun-glare at the point) I shifted back to my yesterday's post—two hours' tramp through sticky mud and water, with a load of cartridges, ducks, etc. Thereat in one hour (4 to 5 P.M.) I secured 56 ducks, bringing my total for the two days—a record in my humble way, but surpassed threefold, as will be seen on following pages —to over 200 head, and for the party, to precisely 500 (491 ducks and 9 geese), besides flamingoes, ruffs, grey-plover, etc.

A curious incident occurred on February 11 (1907). But few ducks—and they all teal—had "flighted" early, and a strong west wind having "blown" the water, my post was left near dry. Just as I prepared to move 300 yards eastward, a marvellous movement of teal commenced. On the far horizon appeared three whirling clouds, each perhaps 100 yards in length by 20 in depth, and all three waltzing and wheeling in marshalled manœuvres down channel towards me. To right and left in rhythmical revolutions swept those masses, doubling again and again upon themselves with a precision of movement that passes understanding. Each unit of those thousands, actuated by simultaneous impulse, changed course while moving at lightning speed; and with that changed course they changed also their colour, flashing in an instant from dark to silvery white, while the roar of wings resembled an earthquake.

All three clouds had already passed along the deeper water

" ' (+)# %!#)+-)&('E&)#3 /0

7 ,>3)+ : > -,/<9 89,* .9,-,' 3<<)--,+ .915 5.-/*2,' .91*2 ' ;,-,2-1*,' 4/7<3* 9/+ 43- 53 : ,' .1 : ,' =,,* 9/*21*2 /-3)*+ 5.)+>@ 1*2 81.9 ,*?13)5 ,>,' .9,' +3I,* 3- .83 +,/+ +)<05 5.)<0);' /-3)*+ : > ;35.B *38 9,' 58,;.' /8R> /5 1. 8,-,' .3 1*.,-<,;.' .9/.' 4,/.9,-,+ /?/7/*<9,' 3* : > -129. 81.9 .9,' -,5)7. .9/.' .9,' .91-+ /*+ 7/5.' <73)+ =,1*2 <). 344 +3)=7,+ =/<0 1*.) :)7.)3)5 <3*4)513* -129.1* : > 4/<,A 89/.' /5;,<./<7,' X 9,';)*> .8,7?,' =3-,' =-3)29.' +38* /' ;,-4,<.' 5938,- 34 .,/7A ;-3=/=7> %! 3- : 3-,' 4,77 /77 /-3)*+ : ,' ' 2/.9,-,+ L& /5 4/5./5 .9,' 5.1<0> :)+ /7738,+B 3.9,-5 47)..,-,+ 9,-,' /*+ .9,-,' =,>3*+ -,/<9B 938 : /*>1* /77 ,5</;,+ .3 4,,+ : /-59 9/--1,-5 *3*,' </*.,77

3.9,-1<1+,*.' 81.9;,-,2-1*,VA ' 9/+ E)5. ./0,* ;35.' 43- *129. 47129.1*2 /.' .9,' 7=/<1/5 89,* /5 +)50 4,77 /' =12 =1-+ /;,/-,+ 1* .9,' 2733 : /01*2 81.9 7/=3)-,+ 47129. +1-,<.7> .38/-+5 : ,' 91*01*2 D.93)29 +3)=.4)77> .9/. 1. 8/5 /' 2335,' 41-,+ 9,' 5.-/*2,-;-3?,+ .3 =,' /' =,/).14)7 /+)7. ;,-,2-1*,' </-->1*2 1* 1.5 <7/85 /' : /-=7,+ +)<0 /*+ .9,' ;/1- /-,' *38 5,.);' 1* : > <377,<.13*

12)-,5 5)<9 /5 .9,' 43773881*2 /-,' /;.' .3 ;-3?30,' .83 5,*.1@ : ,*.5B D7 .9/.' .9,>' /-,' *3. .-),' 3- .9/.' D =,1*2 .-),' 5)<9 -,5)7.5 :)5.=,' ,/5> 34 /../1* : ,*.' 9,' 41-5. 8,';/55 3?,- 5 -,2/-+5 .9,' 5,<3*+ .9,' /55) : ;.13* 12*3-,5 .9,' */.)-,' /*+ ,55,*.1/7 <9/-/<.,- 34 817+4387

9,5, =,1*2 <35 : 3;371./*5 -, : /1*;-,<15,7> .9,' 5/ : ,' 89,-@ ,?,- 3* .9,' ,/-.95 5)-4/<,' .9,>' 9/;;,* .3 =,' 43)*+ .' 15 .9,1- 50> .9,> <9/*2,' *3.' .9,1- */.)-/7 +15;351.13* 3- .9,1- 41C,+ 9/=1.5 89,* 817+4387 5914.' .9,1- 93 : ,5 9,' +1441<)7.> 15 .9/.' *3.' 9/74 / +3I,* : ,* 1* /' .93)5/*+)*+,-5./*+ 817+4387 3- .9,' 5);-, : ,' +1441<)7.> 891<9 .9,1- ;)-5)1.' ,*./175 89,.9,- 1* ;/1* *27/*+ 3- ,75,89,-,

* *27/*+ 1. 15 .-),' 5)<9 -,5)7.5 /-,' 3).' 34 .9,' 6),5.13* 51 : ;7> =,</)5,' .9,' <3)*.-> 15 91297> +-/1*,+ <)7.1?/.,+ /*+ ;3;)73)5 ,-,' 1.' +,51-,+ .3 -,<3?,- 43- *27/*+ .935,' 1 : : 12-/*.' 935.5A .9,' 3;,-/.13* 83)7+ *3. =,' 1 : ;3551=7,A =-,/0 +38* .9,' ,+43-+ ,?,7 /*+ 4733+ 41?,' <3)*.1,5 X 9,*>3) : 129. ,*E3>1* .9,' #1+7/*+5 5)<9 5<,*,5 /5 .3 +/> 8,' 5,' 1* ;/1*

5 /' : /..,- 34 51 :;7,' 4/<.' A /*+ .915 8,' 5./.,' 81.93).' 5)5;1<13* 34 ,23.15 : ' 3- </-,7,55 593)7+ 5)<9)*<9/-1./=7> =,' 1 : ;).,+A .9,' -,5)7.5 -,<3-+,+ =,738 -,;-,5,*.' ,?,* 43- ;/1*

53 : ,.91*2' .9/.' /;;-3/<9,5' .9,' 9) : /*' : /C1 :) :' /710,' 1*' 817+@ 4387 1*2' 50177' 1*' ,*+)-/*<,' /*+' 1*' +,/+7>' ,/-*,5.

9/.' .,5.' 34' 1*+1?1+)/7' 50177' 9/5' 1.' : />' 23' 81.93).' 5/>1*2' =,,*' +, : 3*5.-/.,+' +)-1*2' /77' .9,5,' >,/-5' .1 : ,5' 81.93).' *) : =,- ' 9,-,' /-,' *3.' 81.91*' .9,' /).93-5' 0*387,+2,' /' 5<3-,' 34' : ,*' 893' 9/?,' 4/1-7>' 2/.9,-,+' .3' .9,1-' 2)*' 1*' 3*,' +/>' L!!' +)<05' 1*' .9,' 3;,*' : /-15 : /' 2/1*' 8917,' 3*,' 5)<9' 2)*' 893' 15' .93-3)297>' ,441<1,*.' 8177' 5,<)-,' 915' <,*.)->' 3.9,-5' D1*<7)+1*2' ,C<,77,*.' 2/ : , 593.5' 8177' 4/17' .3' =/2' 3*, .,*.9' 34' .9/.' *) : =,-' 9,-,' </*' =,' *3' 6),5.13*' 9,-,' 34' G' 7)<0' H' 1*' .9/.' 73*2' -)*' 34' >,/-5

' 4,/.)-,' : 3-,' ?/7)/=7,' .9/*' .9,' 412)-,5' .9, : 5,7?,5' 15' .9,' 7129.' .9,>' .9-38');3*' .9,' ?/->1*2' +15.-1=).13*' 34' .9,' D=3.9' 5;,<141</77>' /*+' 5,/53*/=7>' 1*' .9,' 53).9' 34' ;/1*

L&"'' C ' H .& ' +/ 'D ' '
/8*'/.' 7' 1 : ./7' ' Q' 2,,5,
3-,*33*'/.' /*.37/77/' ' ' ' L &' +)<05
4.,-*33*' 0' 0' ' 5./25

L&"'' C ' M A < ' / ? 'D ' ' '/*+' ' '
%!'' +)<05' M%' 2,,5,
D$,,5,' /77' .9,' /4.,-*33*' </:,' 8,77' 1*' .3' +,<3>5

L&"&' 1 (' "' %!' /*+' %L A 83' +/ 'D ' ' #' /*+' ' '
(%'' +)<05' L'' 2,,5,

L"!%' 1 (' H 2! 1 (1' 3 ' I ' ' ' ,/! ' ' +/
L%"' 12,3*'
% ' 1*./17'
!' ,/7'
' 93?,7,-5'
L!' $/+'8/77'
L' # /77/-+'
%' $-,>7/2' $,,5,
3./7' (' +)<05' /*+' %' 2,,5,' =3).' 3*, 9/74' 593.' 3*' */.)-/7' 47129.' =,43-,' LL' #' B' .9,' -,5.' 7/.,-' 3?,-' G +,<3>5 H' 1<,' =-,,I,' /77' +/>

L"!%' ! (A * ' / ? ' , 8 C 2! 1 1' ' +/
,=-)/->' ' ,=-)/->' %' ,^^-)/->' (
1*./175' (" %" Q&
12,3*' L' L& M
93?,7,-5' (L '!
,/7' L! L'
$/+8/77' L ! %
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$/-2/*,>' L L !
#/77/-+' ! ! L

L ! L(M &L

" ' (+) # %!#)+-)&('E&)#3 /6

*.9, (.9 /5)<<,5513*34 ;1*./175 </:, 1* /77 7:35.9, ,*.1-, =/2 34.9/.5;,<1,5 8/5 :/+, 1*+3)=7, 593.5

L"!% @ J H 8 , " 2 1 +

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L"!(C H < 1/ (! !! .

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# /77/-+
% 93?,7,-5
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M # /-=7,+)<0

3./7 LM")<05

L"!M C & A D + ? 8" /*+ Z

/*.37/77/ Q (+)<05

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(,/7
% 1*./17
% 93?,7,-5
L 7/:1*23

3./7 L'&

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,< L' L"!M ,= L' L"!Q

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9, .3./7 3* ,<,:=,- L' -,;-,5,*.5 .9, G ,<3-+ H /*+ 8/5 :/+, D/5 8/5 .9/. 81.9 2,,5, 5,, E1 L%L =>
9, 8937, 34 .9, /=3?, -,<31+5 -,4,- .3 47129. 5933.1*2 81.9 / L =3-, 2)*

' □# $%&' (' %!)#

3773 8 1*2' 15' /' 715.' 34' .9,' +144,-,*.' +)<05' 593.' =>' 3*,' 2)* +)-1*2' .83' <3*5,<).1?,' 5,/53*5' BA

	L"! %	L"!% (
12,3*	' '	%!
1*./17	Q'	&
#/77/-+	"	(
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93?,7,-5	L"M	%
,/7'	'Q	Q"
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91., 4/<,+')<0'		L
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	L ((	' Q

' 9,' 5</-<1.>' 34'+1?1*2 +)<05'15',C;7/1*,+'=>'.9,5,'9/?1*2'/77'=,,*'593.'1*'.9,'59/7738' 3;,*' :/-15:/' *'.9,'+,,;,-'8/.,-5'5)<9'/5 /*.37/77/'<3: :3*'/*+'891., ,>,+';3<9/-+5' .)4.,+'+)<05',.<'/=3)*+

1=,Cʻ /;;,/-,+ʻ +33:,+ʻ =,>3*+ʻ 93;,ʻ -1?/.,ʻ ,443-.5ʻ 3?,-ʻ 5)<9ʻ ?/5.ʻ /-,/5ʻ 8,-,ʻ 3=?13)57>ʻ +1441<)7.ʻ 14ʻ *3.ʻ 1:;3551=7,

,ʻ -,E31<,ʻ .3ʻ /++ʻ .9/.ʻ /.ʻ .915ʻ ,7,?,*.9ʻ 93)-ʻ /ʻ *,8ʻ,-/ʻ 34ʻ ,C15.,*<,ʻ 9/5ʻ =,,*ʻ 5,<)-,+ʻ .3ʻ ʻ ʻ /.ʻ .9/.ʻ ;-,<15,ʻ ;5><937321</7ʻ :3:,*.ʻ 89,*ʻ 1.5ʻ 5</*.ʻ 5)-?1?3-5ʻ 8,-,ʻ 5.-)2271*2ʻ 1*ʻ .9,1-ʻ 7/5.ʻ .9-3,5ʻ 9,ʻ <9/*2,ʻ 15ʻ +),ʻ .3ʻ 2-/<,4)7ʻ /<.13*ʻ =>ʻ .9,ʻ 7/*+38*,-5ʻ 1*ʻ <,-./1*ʻ 2-,/.ʻ :3)*./1* -/*2,5ʻ /*+ʻ 14ʻ 3)-ʻ 38*ʻ ,C;73-/.13*5ʻ /*+ʻ 3)-ʻ 8-1.1*25ʻ 3*ʻ .9,ʻ 5)=E,<.ʻ 9/?,ʻ /753ʻ .,*+,+ʻ .3ʻ /5515.ʻ *3*,ʻ 5)-,7>ʻ 8177ʻ 2-)+2,ʻ .9,ʻ /).93-5ʻ .915ʻ ,C;-,5513*ʻ 34ʻ ;-1+,ʻ 1*ʻ 9/?1*2ʻ 9,7;,+ʻ 938,?,-ʻ 9):=7>ʻ .3ʻ ;-,5,-?,ʻ *3.ʻ 3*7>ʻ .3ʻ ;/1*ʻ =).ʻ .3ʻ .9,ʻ /*1:/7 83-7+ʻ 3*,ʻ 34ʻ 1.5ʻ 9/*+53:,5.ʻ 5;,<1,5

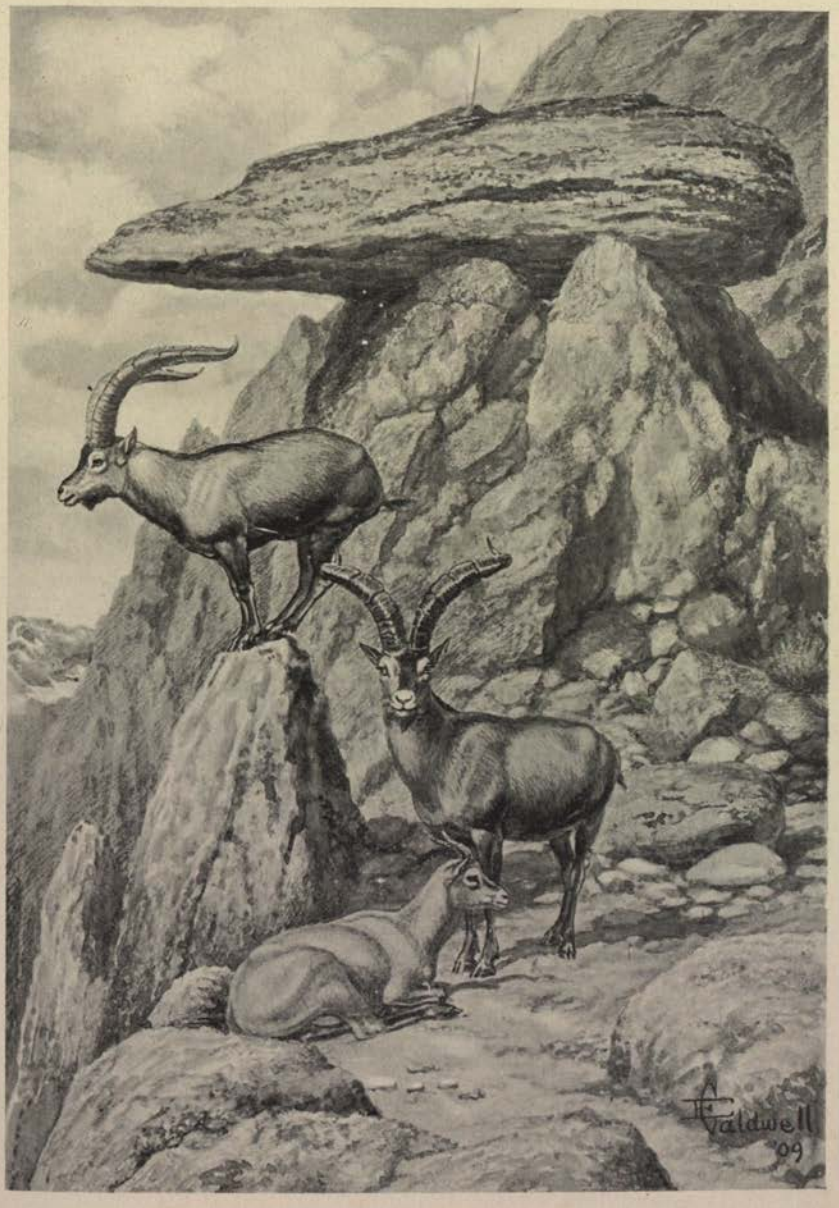
915ʻ *,8ʻ,-/ʻ .330ʻ +144,-,*.ʻ 43-:5ʻ 1*ʻ +144,-,*.ʻ ;7/<,5ʻ *ʻ <,-./1*ʻ 51,--/5A .935,ʻ 34ʻ 7,55ʻ =3)*+7,55ʻ /-,/A .9,ʻ 38*,-5ʻ 9/?,ʻ)*+,-./0,*ʻ .9,ʻ ;-,5,-?/.13*ʻ 34ʻ .9,ʻ 1=,Cʻ ;/-.7>ʻ 4-3:ʻ .9,1-ʻ -,/7151*2ʻ .9,ʻ ./*21=7,ʻ /55,.ʻ .915ʻ 2/:,=,/5.ʻ /++5ʻ .3ʻ .9,ʻ ?/7),ʻ 34ʻ =/--,*ʻ :3)*./1* 7/*+ʻ /*+ʻ ;/-.7>ʻ 1*ʻ ?1,8ʻ 34ʻ .9,ʻ 7,21.1:/.,ʻ 5;3-.ʻ .9/.ʻ /*ʻ 1*<-,/5,ʻ 1*ʻ 5.3<0ʻ :/>ʻ 9,-,/4.,-ʻ /443-+

).ʻ .9,ʻ :/1*ʻ 4/<.3-ʻ 891<9ʻ 9/5ʻ /55)-,+ʻ 5)<<,55ʻ D/*+ʻ 891<9ʻ 1*ʻ 1.5,74ʻ 7,+ʻ)EEʻ .3ʻ .9,ʻ ;-1?/.,ʻ ,443-.5ʻ E)5.ʻ */:,+ʻ .330ʻ 3-121*ʻ 1*ʻ .9,ʻ 2-,/.ʻ 1,--/ʻ +,ʻ $-,+35ʻ 915ʻ ,7,?/.,+ʻ -,213*ʻ 15ʻ .9,ʻ /;,Cʻ 34ʻ .9,ʻ 73*2ʻ <3-+177,-/ʻ 34ʻ <,*.-/7ʻ ;/1*ʻ .9,ʻ /-;,.3 ,.3*1<3ʻ -/*2,ʻ 891<9ʻ ,C.,*+5ʻ 4-3:ʻ #3*</>3ʻ ,/5.ʻ 34ʻ #/+-1+ʻ 43-ʻ 53:,ʻ %!!ʻ :17,5ʻ .9-3)29ʻ .9,ʻ /5.17,5ʻ /*+ʻ 5.-,:/+)-/ʻ 43-:1*2ʻ .9,ʻ 8/.,-59,+ʻ 34ʻ /2)5ʻ /*+ʻ 3)-3ʻ .ʻ 5,;/-/.,5ʻ .9,ʻ .83ʻ _/5.17,5ʻ /*+ʻ ;/551*2ʻ .9,ʻ 4-3*.1,-ʻ 34ʻ 3-.)2/7ʻ 15ʻ .9,-,ʻ 0*38*ʻ /5ʻ .9,ʻ ,--/ʻ +/ʻ 5.-,77/ʻ 891<9ʻ 81.9ʻ .9,ʻ 1*.-/ʻ 91775ʻ ,C.,*+5ʻ .3ʻ .9,ʻ .7/*.1<ʻ 5,/=3/-+ʻ 73*2ʻ /77ʻ .915ʻ ,C.,*51?,ʻ <3-+177,-/ʻ .9,-,ʻ 15ʻ *3ʻ :3-,ʻ 4/?3)-,+ʻ -,53-.ʻ 34ʻ 1=,Cʻ .9/*ʻ 1.5ʻ 9129,5.ʻ ;,/0ʻ .9,ʻ 7/I/ʻ +,ʻ 7:/*I3-ʻ 34ʻ QQLʻ :,.-,5ʻ /7.1.)+,ʻ Ddʻ &'!!ʻ 4,,.ʻ /=3?,ʻ 5,/7,?,7

*ʻ L"!Mʻ 89,*ʻ .9,ʻ 1=,Cʻ 8,-,ʻ /=3).ʻ /.ʻ .9,1-ʻ 7/5.ʻ 2/5;ʻ .9,ʻ ;-3;-1,.3-5ʻ 34ʻ .9,ʻ C8 ʻ ʻ 891<9ʻ 8$,ʻ :/>ʻ .-/*57/.,ʻ /5ʻ .9,ʻ % ʻ 34ʻ $-++35ʻ 34ʻ .9,1-ʻ 38*ʻ 1*1.1/.1?,ʻ <,+,+ʻ .3ʻ P1*2ʻ 743*53ʻ N ʻ .9,ʻ 537,ʻ -129.5 34<9/5,ʻ .9,-,1*ʻ /*+ʻ 15ʻ #/E,5.>ʻ <3::15513*,+ʻ .9,ʻ #/-6)15ʻ 34ʻ 177/?1<135/ʻ +,ʻ 5.)-1/5ʻ .3ʻ /;;31*.ʻ /*ʻ /+,6)/.,ʻ 43-<,ʻ 34ʻ 2)/-+5

1Cʻ 2)/-+5ʻ 8,-,ʻ 5,7,<.,+ʻ 4-3:ʻ .9,ʻ 5,74 5/:,ʻ 23/. 9,-+5ʻ 893ʻ);ʻ .3ʻ .9/.ʻ +/.,ʻ 9/+ʻ .9,:5,7?,5ʻ =,,*ʻ ,*2/2,+ʻ 1*ʻ 9)*.1*2ʻ .3ʻ ,C.,-ʻ :1*/.13*ʻ .9,ʻ 7/5.ʻ 5)-?1?1*2ʻ 1=,Cʻ 34ʻ .9,ʻ 51,--/ʻ /*+ʻ 893:ʻ 8,ʻ 9/+ʻ 3)-5,7?,5ʻ ,:;73>,+ʻ +)-1*2ʻ ?/-13)5ʻ ,C;,+1.13*5ʻ .9,-,1*

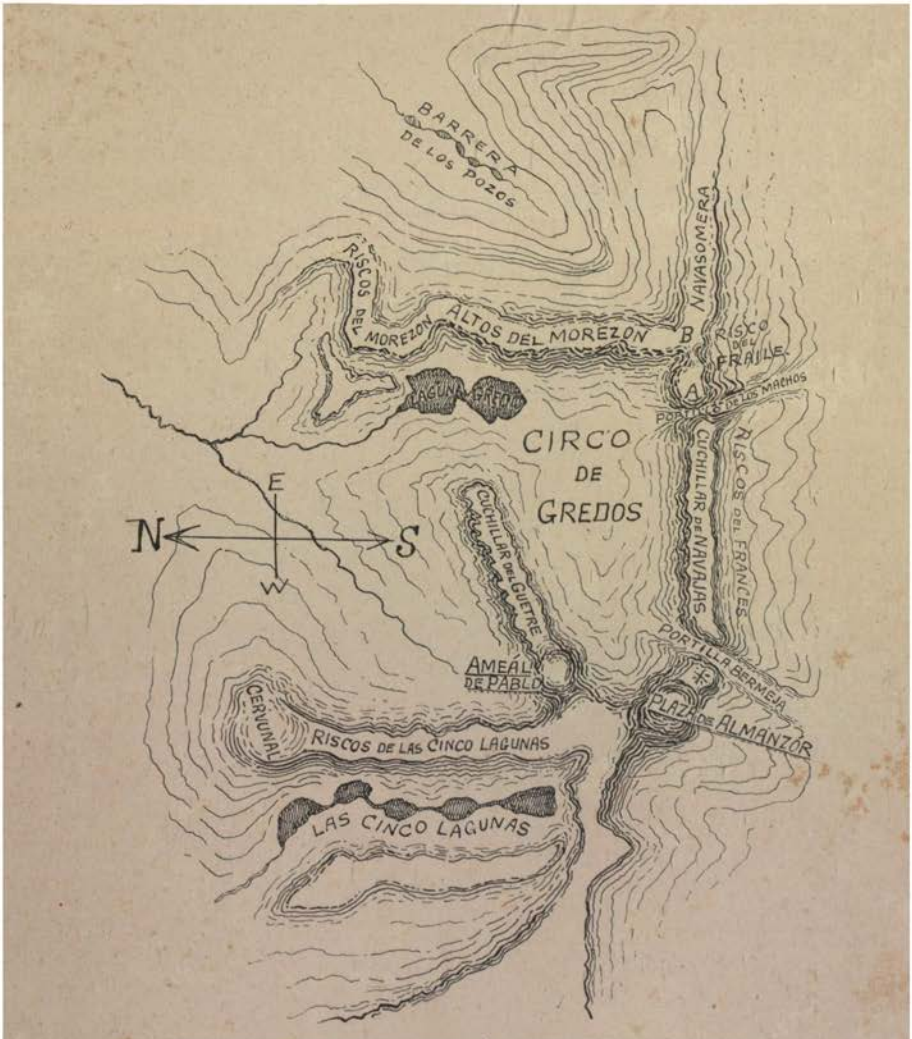
9,ʻ <,+,+ʻ /-,/ʻ <3:;-15,+ʻ /77ʻ .9,ʻ =,5.ʻ 2/:,<3)*.->ʻ +,41*,+



ON THE RISCO DEL FRAILE.

SPANISH IBEX IN SIERRA DE GRÉDOS.

as the "Circo de Grédos"—including the gorge of the Laguna Grande, the Risco del Fraile, Risco del Francés, and that of Ameál de Pablo, together with the wild valley of Las Cinco Lagunas—as shown on rough sketch-plan annexed.



SKETCH-MAP OF THE *NUCLÉO CENTRAL* OF GRÉDOS

(A. *Alto del Casquerázo.* B. *Riscos del Fraile,* with the Hermanitos in front.)

In 1896 we estimated the stock of ibex at fifty head, and during the following years it fell far below that—by 1905 almost to zero. In 1907, after only two years of "sanctuary," it was computed by the guards that the total exceeded 300 head.

In July 1910 we inquired if it were possible to estimate the

;-,5,*.' 5.3<0' *' /' 7,..,-' D.9,' <3:;351.13*' 34' 891<9' 83)7+' <35.' 53:,'/*C1,.>'.9,'$)/-+/'34'.9,'#/+-12/7'+,'7/' ,-/A 3*,';3-.13*' 3*7>' 34' .9,'G 5/*<.)/->HA-,;3-.5B' G .' 15' +1441<)7.'.3'<3)*.'.9,' 1=,C' 3:,.1:,5' 8,' 5,,' :3-,' 53:,.1:,5' 7,55' ,5.,-+/>' 3*' .9,' /=,I/' ,?/+/' 8,'<3)*.,+' %"' -/:5' /*+' '4,:/7,5'.32,.9,-' *'.9,'3.9,-'51+,'8,'<3)*.,+' "'1*'3*,'.-33;'L"'1*' /*3.9,-'L' 1*' /*3.9,-'=,51+,5'5:/77,-'73.5' ,';-3=/=7>'5/8' LQ!'3-'L'!' /*+'8,'<3)7+'*3.'5,,'/77' 3:,'34'.9,'37+'-/:5'/-,'?,->'=12'/*+' 1.'83)7+'=,'/+?15/=7,'.9/.'53:,'=,'593.H' *3.9,-'-,;3-.'D/.' 5/:,'+/.,'4-3:'.9,'G' 3>35'+,7' 5;1*3H',5.1:/.,5'.9,'1=,C' .9,-,'.3',C<,,+' !!'9,/+' 9,'.83'-,;3-.5'23'.3'5938'.9/.'.9,' <3*.1*)1.>'34'.9,'-/<,'154/1-7>'5,<)-,+

Y' 51:17/-'<,5513*'34' 37,'9)*.1*2-129.5'.3'.9,'P1*2'8/5' 51:)7./*,3)57>':/+,'=>'.9,'38*,-5'34'.9,'G' ,*.-/7'$-3);'H'34' .9,' 1<35'+,')-3;/'1*' 5.)-1/5' 9,-,'/-,'*3'1=,C'1*' .9/.' /*./=-1/*'-/*2,B'.9,'2-/<,4)7'/<.'8/5'.9,-,'1*5;1-,+'=>'/'+,51-,' .3';-,5,-?,'.9,'<9/:315'/*1:/75'81.9'891<9'8,'+,/7'1*' /*3.9,-' <9/;.,-Z

9,' ;/*159' 1=,C' 15' 43)*+' /.' 51C' 5,;/-/.,' ;31*.5' 1*' .9,' ,*1*5)7/' ,/<9' <373*>' +1?1+,+' 4-3:' 1.5' 4,77385' /5' ,44,<.)/77>' /5'.93)29'=-3/+'3<,/*5'-377,+'=,.8,,*' 9,'51C'73</71.1,5'/-,'VA

D' 9,' >-,*,,5A 891<9'8,'9/?,'*3.'?151.,+

D' 1,--/'+,' $-/+,5'/5' /=3?,'+,41*,+'/*+' /5' +,5<-1=,+'1*' 2-,/.,-'+,.17'9,-,/4.,-

D%' 1,--/'#3-R*/''/'51*27,'1537/.,+'<373*>'*,/-'),* /71,*.,' *38';-,5,-?,+'D5,',*,C.'<9/;.,-

D(' 1,--/' ,?++/'/*+'.9,' 7;)C/--/5'D<4')

D0' 9,' :3)*./1*5' /73*2' .9,' #,+1.,--/*,/*' 891<9' /-,' ;-3;,-7>' 8,5.,-*' 3).71,-5' 34' ,?/+/'=).' 891<9' /-,')5)/77>' 2-3);,+' /5'.9,'G' ,--/*1/',' 3*+/H' 53:,'7>1*2' 81.91*' 5129.' 34' $1=-/7./-' ,?,-/7' 34'.9,' :35.'1:;3-./*.'-/*2,5' /-,' *38';-,@ 5,-?,+'=>'.9,1-'38*,-5'D<4')

DQ' /7,*<1/' 1,--/' #/-.,5' 915' 43-:5' /' *,8' 9/=1./.' 91.9,-.3')*-,<3-+,+'/*+'34'891<9'8,'3*7>'=,</:,'/8/-,'.9-3)29' .9,'01*+*,55'34'#-' ')-23>*,'34' /7,*<1/'893'9/54/?3)-,+')5' 81.9'.9,'/**,C,+';93.3'34'/*'1=,C'9,/+'0177,+'D/73*2'81.9'/' 5:/77,-',C/:;7,'/.'),?/5'7./5'1*'.9,':3)*./1*-,213*' 0*38*' /5' ,*/5' /-+/5'1*' .9/.';-3?1*<,' ,=-)/->' L"!"' 9,' +1:,*513*5'-,/+'/5'43773855'VA

- ˢ %!#)+-ˢ N $ @/

,*2.9ˢ /73*2ˢ 4-3*.ˢ <)-?,5ˢ ˢ
1-<) : 4,-,*<,ˢ /.ˢ =/5,ˢ
1+,5.ˢ 5;/*
1;ˢ .3ˢ .1;ˢ ˢ ˢ

L[ˢ 1*<9,5
ˢ aˢ
LQ[ˢ 0
ˢ X

)-ˢ 1*43- : /*.ˢ 9/5ˢ -,/53*ˢ .3ˢ =,71,?,ˢ .9/.ˢ 1=,Cˢ /753ˢ ,C15.ˢ D3-ˢ ,C15.,+ˢ 81.91*ˢ -,<,*.ˢ >,/-5ˢ 1*ˢ .9,ˢ -)22,+ˢ : 3)*./1*5ˢ 34ˢ 3-.35/ˢ 4/-.9,-ˢ ,/5.ˢ 1*ˢ /./73*1/

*ˢ .9,ˢ 43- : ˢ 34ˢ 1.5ˢ 93-*5ˢ .9,ˢ ;/*159ˢ 1=,Cˢ +144,-5ˢ ,55,*.1/77>ˢ 4-3 : ˢ .9,ˢ .>;1</7ˢ 1=,Cˢ 34ˢ .9,ˢ 7;5A *38ˢ /7/5ˢ ,C.,- : 1*/.,+ˢ 5/?,ˢ 3*7>ˢ 1*ˢ .9,ˢ P1*2ˢ 34ˢ ./7>5ˢ ;-,5,-?,+ˢ -/*2,5ˢ /-3)*+ˢ .9,ˢ /7ˢ+ 35./ˢ *ˢ .9,ˢ .-),ˢ 1=,Cˢ .9,ˢ 93-*5ˢ =,*+ˢ -,2)7/-7>ˢ =/<08/-+5ˢ /*+ˢ +38*@ 8/-+5ˢ 1*ˢ /ˢ)*143- : ˢ 5<1 : 1./- 710,ˢ <)-?,ˢ *ˢ .9,ˢ ;/*159ˢ 5;,<1,5ˢ /4.,-ˢ 41-5.ˢ +1?,-21*2ˢ 7/.,-/77>ˢ .9,ˢ 93-*5ˢ /-,ˢ -,<)-?,+ˢ =3.9ˢ 1*8/-+ˢ /*+ˢ 41*/77>ˢ);8/-+ˢ 9/.ˢ 15ˢ 1*ˢ .9,ˢ 41-5.ˢ </5,ˢ .9,>ˢ 437738ˢ /ˢ 51 : ;7,ˢ 5, : 1<1-<)7/-ˢ =,*+ˢ 8917,ˢ 1*ˢ .9,ˢ ;/*159ˢ 23/.5ˢ .9,>ˢ 43- : ˢ /7 : 35.ˢ /ˢ 5;1-/7

ˢ : 1*3-ˢ ;31*.ˢ 34ˢ +144,-,*<,ˢ 71,5ˢ 1*ˢ .9,ˢ /**)7/-ˢ -1*25ˢ 3-ˢ *3.<9,5ˢ 891<9ˢ 1*ˢ .9,ˢ .-),ˢ 1=,Cˢ /-,ˢ -,<./*2)7/-ˢ ,*<1-<71*2ˢ .9,ˢ 93-*ˢ 1*ˢ 4-3*.ˢ 710,ˢ 5.,;5ˢ 1*ˢ /ˢ 7/++,-ˢ 8917,ˢ 1*ˢ ˢ ˢ .9,>ˢ -/.9,-ˢ -)*ˢ 3=716),7>ˢ 1*ˢ 5, : 1 5;1-/7ˢ /5<,*.ˢ 9,5,ˢ /**)7/.13*5ˢ 1*+1</.,ˢ .9,ˢ /2,ˢ 34ˢ .9,ˢ /*1 : /7A 3*,ˢ *3.<9ˢ .3ˢ ,/<9ˢ >,/-A =).ˢ .9,ˢ <3)*.ˢ :)5.ˢ 5.3;ˢ 89,-,ˢ .9,ˢ 5;1-/7ˢ ,*+5ˢ ,>3*+ˢ .9/.ˢ 15ˢ .9,ˢ 7129.7>ˢ 2-33?,+ˢ .1;ˢ 891<9ˢ +3,5ˢ *3.ˢ /7.,-

9,ˢ 93-*5ˢ 34ˢ 37+ˢ -/ : 5ˢ D891<9ˢ /-,ˢ 34.,*ˢ =-30,*ˢ 3-ˢ 83-*ˢ +38*ˢ /.ˢ .9,ˢ .1;5ˢ /?,-/2,ˢ Qˢ .3ˢ &ˢ 1*<9,5ˢ 5;,<1/77>ˢ 41*,ˢ ,C/ : ;7,5ˢ -,/<91*2ˢ "ˢ 1*<9,5ˢ 3-ˢ : 3-,ˢ 9,ˢ 4, : /7,5ˢ 710,815,ˢ </-->ˢ 93-*5ˢ =).ˢ 593-.ˢ /*+ˢ 57,*+,-ˢ 3*7>ˢ : ,/5)-1*2ˢ Qˢ 3-ˢ "ˢ 1*<9,5

9,ˢ 51Cˢ 1537/.,+ˢ <373*1,5ˢ 34ˢ 1=,Cˢ 5,;/-/.,+ˢ 4-3 : ˢ ,/<9ˢ 3.9,-ˢ +)-1*2ˢ /2,5ˢ 71?,ˢ)*+,-ˢ .3./77>ˢ +144,-,*.ˢ */.)-/7ˢ <3*+1.13*5ˢ 3-ˢ 8917,ˢ 53 : ,ˢ /5ˢ 5./.,+ˢ ,C15.ˢ /.ˢ &!!!ˢ L! !!!ˢ 3-ˢ L !!!ˢ 4,,.ˢ /7.1.)+,ˢ 3.9,-5ˢ 3<<);>ˢ 91775ˢ 34ˢ :)<9ˢ : 3-,ˢ : 3+,-/.,ˢ ,7,?/.13*5ˢ A 5/>ˢ (!!!ˢ .3ˢ Q!!!ˢ 4,,.ˢ 53 : ,ˢ 34ˢ 891<9ˢ /-,ˢ =)59 <7/+ˢ .3ˢ .9,1-ˢ 5) : : 1.5ˢ *+,-ˢ 5)<9ˢ <1-<) : 5./*<,5ˢ .9,-,ˢ 9/?,ˢ */.)-/77>ˢ +,?,73;,+ˢ +1?,-2,*<1,5ˢ *3.ˢ 3*7>ˢ 1*ˢ 9/=1.5ˢ =).ˢ 1*ˢ 43- : ˢ /*+ˢ 51I,ˢ /-.1<)7/-7>ˢ +3,5ˢ .915ˢ /;;7>ˢ .3ˢ .9,ˢ 93-*5ˢ /*+ˢ 43-ˢ .9/.ˢ -,/53*ˢ 8,ˢ 21?,ˢ /ˢ 5,-1,5ˢ 34ˢ ;93.35ˢ 34ˢ .>;1</7ˢ ,C/ : ;7,5ˢ 4-3 : ˢ ?/-13)5ˢ ;31*.5

9,ˢ 1=,Cˢ 34ˢ .9,ˢ >-,*,,5ˢ 15ˢ <,-./1*7>ˢ .9,ˢ 7/-2,5.ˢ -/<,ˢ /*+ˢ 9/5ˢ =,,*ˢ ,*.1.7,+ˢ =>ˢ 5<1,*.15.5ˢ ˢ (Bˢ .935,ˢ 34ˢ .9,ˢ <,*.-,ˢ /*+ˢ 53).9ˢ 34ˢ ;/1*ˢ =,1*2ˢ +144,-,*.1/.,+ˢ /5ˢ ˢ

□# $%&' (' %!)#

(' $ $+ '(!!' %3,"5 $&+(' '" !,(+%6%+')%! %&+ %"&!' # ' '($8(' %'' ! 5$ %"&!' "6 !,(+%3(&!' '" !,($:' 6"5 (3!('8(!' ' 3$4' "7(8(5' #(' 5(3$5:()' $' (*$3,'(!' 65"3' (< 7"' " !%)(' (*I 5(3(!' L 45(&((!' $&)' (8$)$M 3"!' +'"!('4 $!!%3%'$ (' %& (%5 6'$ (&()' $&)' +"3,5(!!()' 6"53' "6 "5&

(% (5 %& 5()"!' &"5 (8))$ $5(' (' 5"+:26"53$ %"&!' !'" ,5(+%,% " !' $!' %& (' %+"!')(' 5",$ %& ! 5%$!B)(!+5%#()' '$ (5%& %!' #"":' (4,5(!(&'&(8(5 ('(!!')%66%+ '%(!',"!!%#'4 %&! ,(5$#'(' '" 3(5(' & (5!' &!:%''()' %& (' (+ &%; (' "6 +'%3#%&9' "+:2+'%3#%&9 6"53!' $5(+"9&%!()' #5$&+' "6>'3" &I $%&((5%&9?# ' "6 $' !+%(&+(' (' $ "5!'L7% ' !"55"7' #(' %' +"&6(!!()M $8(' &(8(5 #((& (&$3" 5()' '" !' 3" &$%&!' 3(5('4 $!' ! + ' $8(' &"' $,,($'()' ' (4 6"53' (' "3(' "6 $',%&(' +5($ 5(!' (' !)4 $&)' $+; %!%%"& "6 7 %+' 7(5(' "# (+ !' $' &'" (55(! 5%$" "#! $+'(' +" ')' (&%5('4 6"5#%)' $&)' 7(' (&"4 5(5"!,(+%8(' ,5%)(' %& $8%&9!'" 6$5 ! 53" &()' "!(' $& (+()(&' (55"5!' $!' '" $8(' !(+ 5()' $ 6(7' !,(+%3(&!' "6 %!' (' 3"!' >'%3,"!!%#'(? "6 5",($& 5", %(!@B (' ,$&%! ' %#(*

& $7:7$5)' !% $%"& %!' $! #5" &)()' 7$'" "6 5" 9' 95$& I '$ ()' 95$&% (' #'"+:%&9 " 5 +" 5!(' $&)' 5$8(5!()' "#'%; ('4 #4 $& ,2 5(&)%&9 6%!! 5(' #$5('4 (' #5($) ' "6 (3,(& !"'(!' % !' %&+'%&$ %"& " 7$5)' $&)' (' >' 5($)'? +$5,()' 7% ' !'%,,(54 7('3"!!' ! %'" $'6 65"=(&' ' %!' !(')" 3' 7 $' "&(' +$& ' $' 9%8(!' ,$!(' # ' (' 6($5 "6 (' &!((&' (5(' 7(' (!% $ (' #4 5($!"& "6 (' &+(5 $%& 4 "6 7 $' 3$4 +"&65"&' #(4"&)' $' 95%3' + 58(' (' 6%!! 5(' 3%9 ' +($!('H '" 5& #$+:' 7" ')' +'($5'4 #(' %3,"!!%#'(' 3,$ %(&' "6)('$4 " 5 +5$92#"5& 9 %)(B $ ' ',5(I (&!%'(' "6 6"" B!(%=()' (' 9 &' $&)' 7% ' $ 3 (5()' ($+ '$ %"& $' 3%9 ' $8(' %&+')()' !+"5&' %& 5((' ! 5%)(!' $)' !:%,' $5" &)' (')5($)()' +"5&(5B5"6+" 5!(' 7('6"'"'7()

&"72!'",(!' %,,()' $' ! ((,' $&9'(!' &(8(5 %&!,%5(' +"&6%)(&+(' %& (' &$*()' +'%3#(5' (!,(+%$''4 7 (& (' ! 56$+(' %!' $'6 3(' ()' 5(8($'%&9 95((& %+(' #(&($ ' $&)' 7 (& (')%!$,,($5%&9 + 58(' +"&+($'!' 65"3' 8%(7' 7 $')$&9(5!' 3$4 ' 5:' #('"7' 9$%& $!))(&'4 %& (55 , ()' '()9(B !$4 7 (5(' !"3(' 95($' #'"+:' $!' #(+" 3(')%!%& (95$ ()' 65"3' (' $&9%&9 6$+(B &(+(!!%$ (!' $!"5' "6 &(584 3,' ; % (' +$'+ '$ ()' '" ! "5 (& "&(!')$4!' (8(& %6 %')"(!' &"' ,5(+%,% $ ('4 (53%&$ (' (3

(' %#(* %!' $'7$4!' &"+ 5&$' & (' 95($' +"5)%''(5$!' %' !,(&)!' % !')$4 $!'((,' "& !"3(' 5"+:2'()9(' %!"'$ ()' $3%)!' !&"72

41,7+5‘ 1.5‘ 5,<)-1.>‘ +3)=7>‘ /55)-,+‘ =>‘ 5,*.1*,75‘ 89,*,?,-‘ 5)<9‘ /-,‘ +,, : ,+‘ *,<,55/->₩ 3-‘ 738,-‘ +38*‘ 1*‘ .9,‘ </?,5‘ 34‘ /‘ 59,,-‘ ;-,<1;1<,‘ *7>‘ /4.,-‘ 5)* +38*‘ +3‘ .9,‘ 1=,C‘ +,5<,*+‘ /*+‘ *,?,-‘ ,?,*‘ .9,*‘ 53‘ 4/-‘ /5‘ .1 : =,- 71*,‘ *‘ .9,5,‘ 734.1,-‘ 51,--/5‘ .9,1-‘ 93 : ,‘ =>‘ +/>‘ 15‘ <3*41*,+‘ .3‘ -3<0‘ /*+‘ 5*38₿ =>‘ *129.‘ .3‘ .9/.‘ I3*,‘ 34‘ : 355‘ 9,/.9‘ /*+‘ /7;1*,‘ ?,2,./.13*‘ .9/.‘ 1*.,-?,*,5‘ =,.8,,*‘ .9,‘ 5*38 71*,‘ /*+‘ .3; : 35.‘ 7,?,75‘ 34‘ 5<-)7R /*+‘ <3*14,-

)<9‘ /-,‘ .9,‘ 1=,C‘ 34‘ .9,‘ 734.1,-‘ -/*2,5A $-,+35‘ /*+‘ ,?/+/‘).‘ 1*‘ .9,‘ 53).9‘ 817+ 23/.5‘ /-,‘ 43)*+‘ 3*‘ : 3)*./1*5‘ 34‘ 1*4,-13-‘ ,7,?/.13*‘ (!!!‘ .3‘ Q!!!‘ 4,,.‘ : /*>‘ 34‘ 891<9‘ /-,‘ E)*27,+A 53 : ,‘ ,?,*‘ 43-,5.,+A .3‘ .9,1-‘ 5) : : 1.5‘ /*+‘ .9,-,‘ .9,>‘ </**3.‘ +15+/1*‘ .9,‘ 59,7.,-‘ 34‘ .9,‘ 5<-)=‘ ,‘ 9/?,‘ 9)*.,+‘ .9, :‘ D81.91*‘ 5129.‘ 34‘ .9,‘ #,+1.,--/*,/*‘ 1*‘ 2-3)*+‘ .9/.‘ /;;,/-,+‘ : 3-,‘ 5)1./=7,‘ .3‘ -3, +,,-‘ /*+‘ 9/?,‘ 5,,*‘ .9,‘ G -33.1*25H‘ 34‘ 817+ ;12‘ 81.91*‘ .9,‘ 1=,C 937+1*2‘ /-,/

*‘ 5)<9‘ 51.)/.13*5‘ .9,‘ 817+ 23/.5‘ ./0,‘ 6)1.,‘ 01*+7>‘ .3‘ .9,‘ 5<-)=‘ 43-:1*2‘ -,2)7/-‘ G‘7/1-5H‘ 89,-,1*‘ .9,>‘ 71,);‘ /5‘ <735,‘ /5‘ 9/-,5‘ 3-‘ -3,‘ : 1+5.‘ .9,‘ =-)59833+‘ .9/.‘ <73.9,5‘ .9,‘ 91297/*+‘ A 9,/.95‘ /*+‘ =-33 :‘ 2,*15./‘ -93+3+,*+-3*‘ 7,*.15<)5‘ /*+‘ /‘ 9)*+-,+‘ 3.9,-‘ 59-)=5A .9,>‘ -,5.‘ =>‘ +/>‘ /*+‘ =-385,‘ =>‘ *129.‘ 81.93).‘ 9/?1*2‘ .3‘ +,5<,*+‘ 3-‘ 5914.‘ .9,1-‘ 6)/-.,-5‘ /.‘ /77‘ *‘ .9,5,‘ 738,-‘ 91775‘ .9,‘ 1=,C‘ 38,‘ .9,1-‘ 5/4,.>‘ /*+‘ 5)-?1?/7‘ .3‘ .9,‘ ?/5.‘ /-,/‘ 34‘ <3?,-.‘ /*+‘ 1*‘ 7,55‘ +,2-,,‘ .3‘ .9,1-‘ <3 : ;/-/.1?,7>‘ 5 : /77‘ *)) : =,-5‘ 3‘ 4,8‘ /-,‘ .9,>‘ /*+‘ 53‘ =12‘ .9,1-‘ 93 : ,‘ .9,>‘ /-,‘ <3*51+,-,+‘ G‘ *3.‘ 83-.9‘ 9)*.1*2 H

)-1*2‘ 5) : : ,-‘ .9,‘ 1=,C‘ 4,,+‘ 3*‘ .9,‘ : 3)*./1* 2-/55,5‘ -)59‘ /*+‘ 4738,-1*2‘ 59-)=5‘ 891<9‘ /.‘ .9/.‘ 5,/53*‘ /+3-*‘ .9,‘ /7;1*,‘ 5371.)+,5₿ 7/.,-‘ 3*‘ .9,‘ =,--1,5‘ /*+‘ 817+ 4-)1.5‘ 34‘ .9,‘ 9177‘ >‘ /).) : *‘ .9,>‘ /../1*‘ .9,1-‘ 9129,5.‘ <3*+1.13*A .9,‘ =,/-+5‘ 34‘ .9,‘ -/ : 5‘ 4)77>‘ +,?,73;,+‘ /*+‘ .9,1-‘ =-38*‘ ;,7.5‘ 27355>‘ /*+‘ /7 : 35.‘)*143-:‘ 1*‘ <373)-‘ .‘ .915‘ ;,-13+‘ D ,;.,:=,-‘ .3‘ <.3=,-‘ .9,‘ -)..1*2‘ 5,/53*‘ 3<<)-5‘ /*+‘ 4129.1*2‘ ./0,5‘ ;7/<,A .9,‘ <9/ : ;13*5‘ -,/-1*2‘ 3*‘ 91*+ 7,25‘ 43-‘ /‘ <9/-2,‘ /*+‘ .9,‘ <-/59‘ 34‘ 3;;351*2‘ 93-*5‘ -,53)*+5‘ /<-355‘ .9,‘ <3--1,5‘ 34‘ .9,‘ 51,--/‘ ?,*‘ 1*‘ 5;-1*2‘ :,:3-1,5‘ 34‘ .9,‘ <3 : =/.1?,‘ 1*5.1*<.‘ 5)-?1?,‘ 43-‘ 8,‘ 9/?,‘ 8/.<9,+‘ 1*‘ ;-17‘ /‘ ;/1-‘ 34‘ ?,.,-/*5‘ 5;/--1*2‘ /.‘ ,/<9‘ 3.9,-‘ 43-‘ 9/74‘ /*‘ 93)-

9,‘ >3)*2‘ /-,‘ =3-*‘ 1*‘ ;-17‘ /*+‘ 533*‘ 437738‘ .9,1-‘ +/ : 5A‘ 2-/<,4)7‘ <-,/.)-,5‘ 81.9‘)*+)7>‘ 7/-2,‘ 91*+ 7,25‘ 710,‘ =-38*‘ 7/ : =5

&(' %!' (' ! $'' & 3#(5' " 9 ' 7'' $5(' &" ' %&&5(; (& ' (' :%)' 5(3$%&!' 7% ' % !')$3' ,7$5)!' "6 $ 4($5B $ ' %!' ' %'' $6 (5 $!(+"&)' 6$3%'4 $!' #((&#"5&

' $ ' !($!"& L ,5%'' '' $4M (' %#(* $5(' + $&9%&9 (%5 +"$!' (' 3$'(!' '"!(' (' 6'" 7%&9 #($5)' $&)' $!! 3(' $ "$54 ,%(#$')' +"'" 5' +"& 5$! %&9 7% ' (')$5:' "6 '(9!' $&)' ; $5 (5!' (' 3 =='(' %!' 7$53' +5($3' +"'" 5 $&)' (' '" 7(5 '(9 L#('" 7' :&((M ,5(%'4 3$5:()' 7% ' #'$+:' $&)' 7 % (' & (' :&((' %!' $+$''"!% 4' "5 5" &)' ,$ + ' "6 #$5(' $5)(&()' !:%&' (' "5&!' "6 4($5'%&9 3$'(!' $5(' %+:(5 $&)' ($8%(5 $&' "!(' "6 $) ' ' 6(3$'(!

" 9 ' (' %'2! (, (5)!' %& ! 3 3(5)5%8(' " ' (%5 (5)!' "6 9"$!' '' ,$! 5(' "& (' %9 (5 !%(55$' 7 (5(' (4 3$4 +"3(' %& +"& $+' 7% ' (%5 7%')' +"&9(&(5!' 4(' &"' %& (5#5(()%&9 $!' (8(5 #((&:&"7&H &"5 +$& (' 7%')' %#(* #(')"3(!%+$ ()' %')' :%)!' $' $5(' +$, 5()' %&8$5%$#'4)%(' #(6"5(' $ $%&%&9 3$ 5% 4' (' "5&!' "6 (' (5)!3(&!' 9"$!')%66(5 %& 4,(' 65" 3' "!(' "6 (' %#(*' 7 %+ ' +$& &(8(5 $8(' #((& (' ,5"9(& "5 "6 (' 5$+(' "6 9"$!' &" 7')"3(!%+$ ()' %& ,$%&

" 9 ' (' ,(5!"&$' $5" 3$ "6 $& %#(*25$3' %!' ! 5"&9B 5$ (5 3"5(' "66(&!%8(' $& $' "6 $ 8 ' 5(B 4(' &" 5$+(' "6 %!' 5(3$%&!' $6 (5 +"":%&9' (' 6'(!' %!' #5" 7& $&)' " 9 '# ')(8"%)' "6 $&4!,(+%$' 6'$8" 5 "5 %&)%8%) $'% 4B $' %!' 7 (&! #(+ ()' " (' 5)(' +"":(54 "6 (' +$3,

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ˢ .3)-15.ˢ 5;,,+1*2ˢ /73*2ˢ .9,ˢ *+/7)<1/*ˢ -/178/>5ˢ /*+ˢ 5)-?,>192ˢ 4-3:ˢ 915ˢ </--1/2, 81*+38ˢ .9,ˢ 371?, <7/+ˢ /*+ˢ /7.32,.9,-ˢ :17+ˢ 73301*2ˢ 573;,5ˢ 34ˢ .9,ˢ 1,--/ˢ #3-,*/ˢ 8177ˢ 43-:ˢ *3ˢ /+,6)/.,ˢ :)<9ˢ 7,55ˢ /ˢ -3:/*.1<ˢ <3*<,;.13*ˢ 34ˢ .9/.ˢ 2-,/.ˢ :3)*./1* 5>5.,:ˢ 34ˢ 891<9ˢ 9,ˢ 5,,5ˢ =).ˢ .9,ˢ 53).9,-*ˢ 4-1*2,ˢ ,.ˢ 1*ˢ 4/<.ˢ .9,ˢ .-/1*ˢ 9)--1,5ˢ 91:ˢ ;/5.ˢ 81.91*ˢ /ˢ 4,8ˢ 7,/2),5ˢ 34ˢ ;,-9/;5ˢ .9,ˢ 41*,5.ˢ =12 2/:,ˢ<3)*.->ˢ 1*ˢ ;/1* A 34ˢ :3)*./1* 5371.)+,5ˢ /*+ˢ /ˢ .93)5/*+ˢ E)*27,+ˢ <3--1,5ˢ 89,-,1*ˢ 7)-0ˢ 41,-<,ˢ 837?,5ˢ /*+ˢ 21/*.ˢ =3/-5ˢ .32,.9,-ˢ 81.9ˢ 3*,ˢ 34ˢ .9,ˢ 2-/*+,5.ˢ -/<,5ˢ 34ˢ -,+ˢ +,,-ˢ >,.ˢ ,C./*.ˢ 1*ˢ)-3;,

-),ˢ .9,ˢ 1,--/ˢ #3-,*/ˢ 7/<05ˢ =3.9ˢ .9,ˢ /7.1.)+,5ˢ /*+ˢ .9,ˢ 5.);,*+3)5ˢ -3<0 -1+2,5ˢ .9/.ˢ <9/-/<.,-15,ˢ /77ˢ 3.9,-ˢ ;/*159ˢ 51,--/5A 4-3:ˢ ,?/+/ˢ /*+ˢ $-R+35ˢ .3ˢ .9,ˢ >-,*,,5ˢ .ˢ <3*515.5ˢ -/.9,-ˢ 34ˢ /ˢ <3*2,-1,5ˢ 34ˢ E):=7,+ˢ :3)*./1* -/*2,5ˢ 34ˢ *3ˢ 2-,/.ˢ ,7,?/.13*5ˢ =).ˢ 34ˢ 1*41*1.,ˢ -/:141</.13*ˢ /*+ˢ 7/<01*2ˢ D5/?,ˢ /.ˢ .83ˢ ;31*.5ˢ 3*7>ˢ .935,ˢ =37+,-ˢ 4,/.)-,5ˢ .9/.ˢ :35.ˢ /;;,/7ˢ .3ˢ .9,ˢ ,>,ˢ ,-,ˢ .9,ˢ ;/*159ˢ -/*2,5ˢ /77ˢ 34ˢ .9,ˢ <3*.3)-ˢ 34ˢ #3-,*/ˢ .9,ˢ */:,ˢ]ˢ 1,--/ˢ Hˢ 83)7+ˢ *3.ˢ 9/?,ˢ /;;71,+ˢ .ˢ 15ˢ :3-,3?,-ˢ /ˢ)*17/.,-/7ˢ -/*2,A /ˢ =)..-,55ˢ =/*0,+ˢ);ˢ 3*ˢ 1.5ˢ *3-.9,-*ˢ 51+,ˢ =>ˢ .9,ˢ 9129@ 7/*+5ˢ 34ˢ /ˢ #/*<9/ˢ -,5,:=71*2ˢ 1*ˢ .9/.ˢ -,5;,<.ˢ .9,ˢ 8,77 0*38*ˢ -/0,*5=,-2ˢ 34ˢ .9,ˢ -/*5?//7

9,ˢ 1,--/ˢ #3-,*/ˢ .>;1</7ˢ >,.ˢ /;/-.ˢ +1?1+,5ˢ 43-ˢ);8/-+5ˢ 34ˢ %!!ˢ :17,5ˢ .9,ˢ 5)**>ˢ 7387/*+5ˢ 34ˢ *+/7)<1/ˢ 4-3:ˢ .9,ˢ =/-,ˢ =7,/0ˢ);7/*+5ˢ 34ˢ /ˢ #/*<9/ˢ 3*ˢ .9,ˢ *3-.9ˢ *+ˢ 1*ˢ ?,-.1</7ˢ +,;.9ˢ D14ˢ 8,ˢ :/>ˢ 1*<7)+,ˢ .9,ˢ <3*.12)3)5ˢ #3*.,5ˢ +,ˢ 37,+3ˢ .9,ˢ -/*2,ˢ ,C.,*+5ˢ =).ˢ 71..7,ˢ 593-.ˢ 34ˢ LM!ˢ :17,5

5ˢ /ˢ 93:32,*,3)5ˢ :3)*./1* 5>5.,:ˢ #3-,*/ˢ .9)5ˢ <3?,-5ˢ /ˢ 5;/<,ˢ ,6)/7ˢ .3ˢ .9,ˢ 8937,ˢ 34ˢ *27/*+ˢ 53).9ˢ 34ˢ .9,ˢ 9/:,5ˢ 81.9

$ +(& 5$' &"5 (5& ,5" (+ %"& 7 %+ ' 7" ')' (3#5$+(' $'' (' %)'$&)' " & %(!' $!' 6$5 $!' " %&9 $3' D

F &' $&4 ! 58(4 "6 (' %(55$ "5(&$' % ' %!< $, ,5", 5%$ (' '' %&+')(' (' $) "%&%&9 "& (!')(' "'()"' (4' $!' ! ' ! $ ()' 6"53' $ &"5 2 5(&)%&9 ,45$3%)$' $,(* #$!()' "& (' 3$%& + $%& $&)' ,5(!(& %&9 %)(& %+$' + 5+ (5%! %+!' #" ' , 4!%+$' $&)' 6$ &$'' " 9 ' "6 '"7(5 9(&(5$' ('(8$ %"&' (' "& (!')(' "'()"' %& ! "5 ' $5(' $& %& 5%+$ (' +" 3, '%+$ %"& "6 '"7' ! #5" &)()' %''!B' 5$ (5 $& 3" & $%&! B $+:()' "& '' (' &"5 ' "6 "5(&$' $'' !+5 #2+'$)' $&)' %& $#% ()' #4' (' !$3(' 7%')' #($! !' "'()$& ! $9!' (* %#%' (' !$3(' 3$9&%6%+(&' +"5& $')(8('", 3(& ' $&)' (5(' %!' (8%)(&+(' "6 !($!"&$' %& (53%95$ %"& $!' 2#(7((& 7'' $) $+(&' 5(9%"&!' "&'4)%8)()' #4' (' 8$''(4 "6 (' $)%$&$B $! "5 $9(' %& "&(' $5($ #(%&9 !" 3(%3(!' 6" &)' '' #(' +" 3, (&!$ ()' #4' $ +"55(!, "&)%&9 %&+5($!(' %& (' " (5' "(2)((5'$5(' 3"5(' $# &)$&' %& (' '"7(5 5$&9(' H # ' (' !"'(' +'($&2+ ' 6$ &$')%! %&+ %"& '%(!' %& (' ,5(!(&+(' "6 7%')' 6$''"72)((5 %& (' "& (!')(' "'()"B' (!(' $&%3$'!' #(%&9 ; % (' &:&"7& %& "5(&$ G $4' 7(')%95(!!' "& $ +"9&$ (' ! # (+'C (' %(55$ (8$)$' " 9 ' !'' &($5 L$' "&(' ,"%&' (' 7'' 5$&9(!' $5(' 3(5('4 !(,$5$ ()' #4' $ &$$55"7' 9$,' 4+'(,' "!' '$&"!')(' O$(&M' 4(' ,5(!(&!' " $''4)%8(59(&' &$ 5$' , (&"3(&$ (5(' $5(' ,"%&!' %& "5(&$B !$4' 65" 3' (' (%9 !' $#"8(' (!,(&$,(55"!B 7 (&+(' (' 7'' !4! (3!' +$& #(' ! 58(4()' $' "&+(' (%&)' 4" ' "& (' &"5 ' 5"'' $7$4' 5%)9(' #(4"&)' 5%)9(' (' (&)'(!' 5" &)()' !:4'%&(!' "6 "5(&$B +"''"!!$' 4(' &(8(5 $#5 , ' & 65"& ' '' (' !" B $, ,$5(& '4 7% %& ! "&(E!2 5"7B 5%!(' (' ! ,(&)" !' !&" 72, ($:!' "6 (8$)$B $99()' ,%&&$+'(!' ,%(5+%&9 (' ($8(&!' '' &%9 ' -/ 000' 6(((!(' ,($:!' 3$4' $, ,($5 7% %& ! "&(E!2 5"7' "5 !$4' $& ($!4')$4E!' 5%)(' " 9 ' $' %!' $& ", %+$' %'' !%"&' ' &$$55"7' $!' %' %!' $' 9$,' "6 O$(&)%8%)(!' 7'' 3" & $%&25(9%"&!' (5'4)%!I !%3%'$5 %& (8(54$ 5%# (' 7 ((5 $!' '' (' 3$&&(5 "6 (%5 #%5 ' %& 5(3" (' $9(!' $&)' (' '$&)!+$, (!' (4' ,5(!(&' "2)$4 $ &$')%! %&+ %"&!' $5(' $'!'' +"&!,%+ " !' & (8$)$ (5(' $5(' 6" &)' &(% (5)((5 "6 $&4' :%&)' L7 ((5 5()' 5"(' "5 6$'' 7M

R 9,' #3*.,5' +,' 37,+3'<3:;-15,'53:,'34'.9,'=,5.'=12 2/:,'<3)*.->'1*' ;/1*'/*+'1*<7)+,' 5,?,-/7 34'9,-' :35.'4/:3)5';-,5,-?,5'5)<9'43-',C/:;7,'/5'.9,'$3.3'+,' /=/*,-35'=,73*21*2' .3'.9,' 3*+,'+,' /7+,7/2-/*/' 7' /5.1773'/'+3:/1*'34'.9,')0,'34' /5.177,E35'/*+'):/E3' 34'.9,' #/-6),5' +,' 7?,*.35' 9,')0,'34' -1+*' ;355,55,5' /' 817+' .-/<.'1*9/=1.,+' =>' 4/7738 +,,-

&"5 7%')2#"$5' 7 (5($!' %' 6"53!' (' !('(+ ()' "3(' "6 %#(*' $&)' '$33(59(4(5' #" ' "6 7 %+' $5(' +"&!,%+ " ! #4 (%5 $#!(&+(' 65" 3' "5(&$' !$8(' 6"5 $!%&9'(' !(95(9$ ()' +"''"&4 "6 7%')29"$!' &($5 (&2 $'%(& (

7.93)29' .9,' 1,--/' #3-,*/' ;/-./0,5' -/.9,-' 34' :/551?,' .9/*' 34' /=-);.' <9/-/<.,-' >,.' .9,-,' 3<<)-' /.' /' <3);7,' 34';31*.5' 3).<-3;5' 34' */0,+' -3<0' 34' -,/7' 2-/*+,)-')<9' 43-',C/:;7,' 15' ,5;,*/';,--35' .9-3)29' 8935,' 23-2,5' .9,' *+/7)<1/*' -/178/>' .9-,/+5' /' 5,:15)=.,--/*,/*' <3)-5,' 9,' ?,->' */:,' ,5;,41/;,--35' 512*141,5' 1*' .9/.' 83*+-3)57>' /+/;.1?,' ;/*159' .3*2),' *3.91*2' 7,55' .9/*' .9/.' 1.5' 71?1*2' -3<05' .9-,/.,*' .3' 9)-7' .3' +,/.9' /*+' +,5.-)<.13*',?,*' +325' .9/.'?,*.)-,' .9,-,3*

&" (5' %& (5,5($%"& ! 99(! !' $' %& "')(&)$4!' ! +' 7(5(' (' ,'($!$& 5%(!' "6 (' ""5!'%' 7$!'&"')"9!'# ' 5%! %$&!' L!%&+(' "' $ ""5 (' (53!' 7(5(' !4&"&43" !M $' 7(5(' 5'()' " (%5)($ ' 65" 3' (' ' "6 (!,(6%$,(55"!

9,5,' -3<0 43-:/.13*5' /-,' 5);,-=7>' /=-);.$ $-,/.' +,./<9,+' <-/25' :/551?,'/*+' :355 :/-=7,+' E).' ;,-;,*+1<)7/-' 4-3:' -/22,+' #,,;5' 3-' ?/5.' :3*371.95' ;-3.-)+,' ,/<9' 1*' -,<.171*,/7' 3).71*,' 53' ,C/<.' .9/.' 3*,' 83*+,-5' 14' .9,5,' /-,' .-)7>' 34' */.)-,5' 9/*+1@ 83-0' /*+' *3.' 53:,' 4/=7,+' 43-./71<,' 34' 37+ .1:,' $3.9' 3-' #33-' ,5;1.,' 1.5' 5.-101*2' <3*.3)-' 938,?,-' 1.5' <-/25' /*+' ;-,<1;1<,5' /-,' .33' 5</.,-,+' /*+' +,./<9,+' D81.9' .-/?,-5/=7,' 1*.,-?/75' =,.8,,*' .3' /..-/<.5)<9' /'-3<0 73?,-' /5' .9,' 1=,C' /*+' *3' 817+' 23/.' 9/5' ,?,-' 3<<);1,+' .9,' 23-2,5' 34' ,5;,41/;,--35

' 51:17/-' -3<0 -,213*' =).' :3-,' ,C.,*51?,' /*+' <3*.1*)3)5' 15' 43)*+' *,/-'),* /71,*.,A =>' */:,' .9,' 1,--/' _)1*./*/' 915' -/*2,' .93)29' 1.5' ,7,?/.13*5' =/-,7>' ,C<,,+' '!!!' 4,,.' 43-:5' .9,' 3*7>' 5;3.' 1*' .9,' 1,--/' #3-,*/' /.' 891<9' .9,' ;/*159' 1=,C' -,./1*5' /' 433.937+

9,-,/.' .9,' 8-1.,-' 1*' L"!L' ,*+)-,+' 3*,' 34' .935,' ,?17' ,C;,-1,*<,5' 891<9' 4-3:' .1:,' .3' .1:,' =,4/77' .935,' 893' 5,,0' 9)*.1*2 2-3)*+5' 1*' .9,' 817+,-' <3-*,-5' 34' .9,' ,/-.9' .' 8/5' 1*' :1+ ,=-)/->' .9/.' 43-<,+' =>' =1..,-' ,C.-,:1.>' 34' 8,/.9,-' 8,' 4/1*' 53)29.' -,4)2,' 1*' .9,' 9/:7,.' 34'),* /71,*.,' <71*21*2' /.' M'!!' 4,,.' 3*' .9,' 5.,,;' 34' .9,' 51,--/' /5' <-/2:/-.1*5' 41C' .9,1-' <7/>=)17.' *,5.5' 3*' 53:,' -3<0' /*+' 5.3*,' =/.95' =)17.' =>' *3' :3+,-*' 9/*+

□# $%&' (' %!)#

$ (!' $#49"&((& (5,5%!(' '" %!")$4' 7($5("')' (#$!" "6 (&2 $'%(& (' $ 5$+' ! 3 3 (528%!% "5!H 7(5 !' (%5 ($' ' #(&(6% !" (5(#4' 5('4 !" 3(+" & (52%55% $ %"& %!" &(()()' '" #$'$&+((,(5%'!" "6 $!" " 5& 7% %& $' &!$8" 54 (45%(' (75% (6(('%&9'4' (8(& $6 (5 $'" (!(4($5!' $&)' $6 (5 ! 66(5%&9 $!!"5 ()' 5%# '$ %"&!" %& 3$&4 $ 5" 9' !," B (&2 $'%(& (' %!" #$)' '" #@($

@$8%&9 (& !" $&)' 6 '" +$3,2" 6%' 7($)' " 9 ' '" '%8(%&)(,(&)(&' "6 (8%''$9(' &(&%9 ' "7(8(5' $!" 7(+'%3#()' (5%!%&9 95" &)' $' '($)!" '" (%9 (5 !%(55$ (5(# 5!' %& " 5 6$+(!" $& ($! (5'4 9$'(" # ' 7% ')5%8%&9 !&"7 ! "53!" $' (8(& $ 3 '(+" ')' &"' 7% ! $&)' " %&9 5(3$%&() # ' '" !((:' ! (' (5 %& (8%''$9(#('"7

(5(34 #()5""3' 3($! 5()' 7('8(6((' #4 6" 5' 7% ' $)""5 $' ($+' (&)' ( )""5 ,5",(5 7$!' 5($+ ()' #4 $ 8(5 %+$" '$)) (5H (!(+"&)' 3%9 ' ,(5 $,!' #( )%66(5(& %$ ()' $!' $ 7%&)"7' # ' +" ')' "&'4 #( )%! %&9 %! ()' $!' ! + ' #4 % !' !3$''(5 !%=(B #" ' #(%&9 3$)("6 !""%)' 7"")' !' 7<(5((7%&)"72",(&' !&"7 ! 7%5'()' 5" 9' $!' 65((' 4 $!' "& (",(& !%(55$H %6 ! ' 7('%8()' %&)$5:&(!")%3'4 5('%(8()' #4 (6'%+:(5 "6 $ ' $' %!' $ +" "&27%+:' 5(,"!%&9 %& $!$ +(5 "6 "'%8(2"%'' &)(5 ! + ' +"&)% %"&!' 7% ' " (5 &$3('(!" "55"5!' 7(,$!!()' 5(( )$4!' $&)' &%9 !' 7 %'(9$'(!' #'(7' $&)' !&"7' !7%5'()' #4 %&+(!!$& & (6" 5 ' 3"5&%&9 (7%&)' 6('' $&)' !&"7' $)' 9%8(& ,'$+('" 6%&(5$%&' (!(# ' ! $''4 '$!' (% (5 5(("5 &%&( )$4!H !"' %&:%&9 %!" "&($)' #'"7& %!('6 " ' 7(,$+:()' (:%' $&)' !(' " ' %& 5(&(7()' !($5+' "6 %#(*' 5#$'"' 7% ' $++ ! "3()' 6"5(" 9 ' # 4%&9 $ # &+' "6 '%8(+ %+:(&!' 7 %+' &9 #4 (%5 '(9!' 65" 3' ($6 (52,$&&%(5 "6 (3 '(' & ('%3% ()' $5($ "6 %& &$' %#(* "6%(5 (#(!' + $&+("6 ! $':%&9 '(!' $5(3$58('" !' 3" & $%&((5!' (,'$+(!' $' $&%3$" ! 53" & ()' "2)$4 ,$!!()' #('%(6' 7'")"&:(4!' $' #('"&9()' '" ('"+$" & (5!' #$)' $&)' 5%%)"' 7 '" $++"3,$&%()' !' !""& 9"' ! +:' $&)' $)' '" #('(6' #('"7

4 5(("E+'"+:' 7(' 3 '($&)' $"' $)' 5($+ ()' (%9 (!' 5%)9("6 %& $&$' $&)' (&+$3,()' 7% %& $ 6(7 &)5()' 6((' "6 % !" ",I 3"!'

'" !(' ,' $ (&' $3"&9 5"+:!' %!' &(8(5 ($!4H (8(& !,(+%$''4 3$)(%5"& (& 2,(9!' 6%&)' &'" "')' $&)' 9 425",(!' $8('" #(3$)(6$!' $!' !(+ 5('4 $!' 3$4 #(' '" $&4 ,5" (+ %&9 ,'%&

/-+7>' 9/+' .9,' 5)*' 23*,' +38*' .9/*' .9,' ,/5.,-7>' 2/7,'=7,8');' /2/1*' 81.9'-,+3)=7,+'43-<,' 77' *129.' 1.' 9387,+'.9-3)29'3)-' */--38' 23-2,' /*+' /-3)*+' 1.5' ;1**/<7,+'-3<0 :1*/-,.5' 81.9' .9,' -,5)7.' .9/.' /.' LL' 6 ' .9,' 177 5,<)-,+' 2)>5' 2/?,' 8/>' /*+' +38*' </ :,' 3)-' .,*.' 81.9' /'<-/59' 83' 9+)-5' 8,-,'5;,*.' D1*' +-,*<91*2' -/1*' -, :,+>1*2'.9158 /*+' 89,*' +/>'=-30,' /*' 1<>' D432' ,*?,73;,+' .9,' 51,--/' 59)..1*2' 3).' /77' ?1,8'=,>3*+' /'4,8'>/-+5' 9,' <37+' 8/5' 1*.,*5,' /*+' /' 71..7,' +/ :' 8,' 9/+' ,*21*,,-,+' .9,' *129.' =,43-,' 8/5' 4-31,*' .91<0' 9,' 432' 9,7+' /77' .9/.' +/>' /*+' .9,' *,C.' 3.91*2' <3)7+' =,' +3*,' .93)29' 8,' ;,-515.,+' 1*' 231*2' 3).' ,/<9' +/>' /5' 1*' +).>' =3)*+' 43-' /' 4,8' 93)-5' .)-*' /:3*2' .9,' <-/25A 938' 8,' ;-/>,+' 43-' 93)-5' <7,/-' 1*.,-?/7' .9/.' :129.' 9/?,' 21?,*' .9/.' 273-13)5' 5129.' 8,' 53)29.X .' +)50' .9,' 5,<3*+' *129.' 5*38' 4,77' 9,/?17>' /*+' 7/.,-' 3*' /' .9)*+,-5.3-:' /++,+' .3' 3)-' E3>5' -,6),*.' /*+' ?1?1+' 47/59,5' 34' 7129.*1;2' 71.');' .9,' +/-0*,55' /*+' </)5,+' .9,' 5)-?1?1*2' <91<0,*5' D891<9' 1*' <3:3*' <9/-1.>' 8,' 9/+' 9/+' .,.9,-,+'1*51+,' .9,' .,*.' .3' <-38' 53' 1*<,55/*.7>' .9/.' 57,,;' 8/5' 1:;3551=7,' -,5,*.7>' 8,' *3.1<,+' /' 59/-;' 4/77' 1*' .,:;,-/.)-,A .9,' :,*' 9/+'=-3)29.' 1*' /' <)=,' 34' 1<,' .9,' 5371+141,+'<3*.,*.5' 34' 3*,' 34' 3)-' </ :;=)<0,.5' 891<9' .9,>' ;-3;35,+' .3' :,7.' /.' /' 71..7,' 41-,' 0,;.'=)-*1*2' 1*' .9,' .,*.X).' .915' 8/5' .33' :)<9' ,?,*' .93)29' 1.' :,/*.' G'*3' <344,,' 43-' =-,/04/5.H

9,4-35.' /*+' 432' <3*.1*)1*2' 3*' .9,' .91-+' :3-*1*2' .9,' :,*' ;-3;35,+' 8,' 593)7+' :3?,' 738,-' +38*' .9,' 9177' .3' 53:,' $' .9,>' 0*,8' 34' .9,-,/.' .3' /8/1.' :17+,-' 8,/.9,-

>' .915' .1:,' 938,?,-' .9,' <37+' 9/+' ;,*,.-/.,+' +,,;' 1*.3' .9-3/.' /*+' <9,5.' 891<9' 4,7.' -/8' /*+' 1*47/:,+' 7,/?1*2' .9,' 8-1.,-' /7:35.' 5;,,<97,55' ,' .9,-,43-,' +,<1+,+' .3' /=/*+3*' .9,' 8937,' ?,*.)-,' /*+' 5.-)<0' </ :;' 5.177' 8-/;.' 1*' .9/.' 3;/6),' 59-3)+' 34' +-1?1*2' 57,,.

-3551*2' 3?,-' .9,' 9129,5.' -1+2,' 34' .9,' 51,--/'=,.8,,*' <-/25' 34' 891<9' 3*7>' .9,'=/5,5' 8,-,'?151=7,' 8,' +,5<,*+,+' 3*' .9,' 53).9' 51+,' B 9,-,' 8,' 3-2/*15,+' /' G'+-1?,'H' /:1+' .9,' E)*27,5' .9/.' <73.9,' .9,' 738,-' 573;,5' 83' 7>*C,5' /*+' .9-,,' ;125' 8,-,'-,;3-.,+' /5' 5,,*'=>' .9,'=,/.,-5' *7>' 3*,' 34' .9,' 7/..,-' 938,?,-' </:,' .3' .9,' 2)*' /*+' ;-3?,+' .3'=,' /' 538'=122,-'=>' 9/74' .9/*' /*>' 817+' ;12' 8,' 9/+' .9,*' 5,,*' 1*' ;/1*' ,' -,2-,..,+' 9/?1*2' *3' :,/*5' 34' 8,1291*2' .915'=,/5.' 891<9' 8,' ,5.1:/.,+' /.' 8,77' 3?,-' !!' 7=5' <7,/*' ' -,:/-0/=7,'</5.' /*.7,-' ;1<0,+');' /.' .915' 5;3.

□# $%&' (' %!)#

</--1,+' 43)-' ;31*.5' 3*' .9,' : /1*' =,/ : ' /5' 8,77' /5' 43)-' 3*' .3; A W
7,*2.9' %([' 1*<9,5' =>' M4' 1*<9,5' =/5/7' <1-<) : 4,-,*<,

(' >') (6(&+(!' "6 ('%#(*' %& (' %(55$ %& $&$' '%(' $3"&9
!"3(' 6$%5'4 #%9 +5$9!' 6"53%&9 (' ($! (5& $&)' !" (5& 6$+(!' "6
(' 5$&9(' (' ! "" %&9 $' $' %3(' 7$!' 65((H (&+(' (' 9"$!'
7(5(' &(8(5' '(6' %& ,($+(' #4 (' 3" & $%&((5!' 7 '" $'" +$55%()'
9 &!' $&)' !()' (3' 7 (&(8(5' $ + $&+(' ,5(!(& ()' % !('6' (
5(! '' 7$!' $' (' 6(7' ! 58%8%&9 9"$!' $)' #(+"3(' !(8(5('4
&"+ 5&$" %& $#% ' !,(&)%&9 (' (& %5(')$4 %& +$8(!' $&)' +5(8%+(!'
%& (' 6$+(!' "6 ! ((5 $&)' &$:()' ,5(+%,%+(!

"3(' "6 (%5 (45%(!' $,,($5()' $#!"' ('4 %&$++(!!%#'(' '" $&4
+5($ 5(' &(&)"7()' 7% ' 7%&9!' &(' +$8(' " 9 ' %' $)' &"
8%!%#'(' $,,5"$+ ' 7$!' !% $(' "&'4 !"3(' (%9 ' "5 (& 6((' $#"8('
$ '()9(' %& (',(5,(&)%+ '$5 5"+:2&$+(' &(' 3"5&%&9 $')$7&
7'" %#(* $8%&9 #((& !((& '" (& (5 %!' +$8(' $' "&+(' $ +" ,'('
"6 (' 7%54 9"$2 (5)!' " 9 ' '" 5($+ ' (3' 65" 3' (' '()9('
#('"7' "&(' $)' $+ $''4 +'%3#%&9 "& '" (" (5!' ! " ')(5!' $!' (
! ""')' "& $' &$55"7' ! ('6' & %!'5 ! ' '" (!+$,(' " 7(8(5' ('
'($)%&9 %#(* ,!(' (',5(+$5%" !' #$'$&+(' $&)' (' ,""5 '$)' 7$!'
,5(+%,% $ ()' $3"&9 (' 3#'()' 5"+:!' %& ('$#4!'#('"7
%)%&9 "3(7$5)!' 5" 9 ' %& "!,% $#'(' #5 ! 2+'$)' %''!' "I
7$5)!' (' 5$%'7$4 L6"54 3%'(!' $7$4M' 7(' , ' ,' "&(' &%9 ' $' $
8%''$9(' &$3()' 7% ' &+"&!+%" !' %5"&4' $5)($ ($'' & (
!3$'" " 5!' #5":(' " ' $&" (5 (55%6%+)%! 5#$&+(B ! 5%(:!'
!; ($'!' #$5:%&9B$'" (')"9!' 9"&(' 3$)' (' &%9 ' 7$!'
,% + 2)$5:' 7% ' 5$%& 6$''%&9 %& "55(& !H # ' &(*' 3"5&%&9 7('
$!+(5 $%&()' $' $,$+:' "6 73'8(!' #$)' +$55%()' "66 ('$&)''5)E!'
,%9!' 65" 3' (%5 ! 4(' &"' 6%6 ((& 4$5)!' $7$4B %&)(()' 5(('
3$&9'()' ,"5:(5!' '$4 ,%'()' ,' 9%&!' (' 7$'" "6" 5 "8('
(' +", %&9(&+4 "6 ,%9!' #(%&9 7"5!('" "66 $& " 5!('8(!' $)'
&"' ,5(8%" !'4 "++ 55()' '" !' !' (&)()' %& $ +4+'(' "6+$ $!I
5", (' " 5 6%5!' 75(!'(' 7% ' 8 ' '%& "5@&$% # '
%&% %$" 6$%' 5(' "&'4 !(58()' '" ! %3 '$(' 6 5 (5 (66"5!' '$ (5 "&'
%& (5' 3"5("8(5'%!' &" !($!"& 6"5 +$3,%&9 %& (!(' %9 ' !%(55$!H
$4 %!' 3"5(' 6$8" 5$#'(' # ' (' ($5'4 $ 3&%!' #(!' "6$''
' %!' ,(5%")' DL"!L' (' ! 58%8%&9 %#(* $)' 6$''(& '" /'
3(5(' $&)6 '' "5 &$ ('4 (5(' $!' ('!(7 (5(' %& ,$%&' (5('
7$!' $5" !()' 7% %& (' &(*' 6%8(' 4($5!' (' $5)4 %& (5(!' "6
,$&%!' '$&)"7&(5!' '" !$8(' (3
(' "7&(5 "6 (' !%(55$!' $#"8(' 3(&%"&()' L (' $5; %!')('

(A) Sierra de Grédos—Madrigal de la Vera.
Length 26½ in. Circum. 10⅛ in. Tips, 22⅛ in.

(B) Sierra Nevada.
Length 29¾ in. Circum. 8¼ in. Tips, 20⅞ in.

(C) Sierra de Grédos, Bohoyo.
29¼ in.

(D) Valencia, Sierra Martes.
21⅞ in.

HEADS OF SPANISH IBEX.

+) !' ' #! 0/

,-1.3 9/5 4/?3)-,+)5 81.9 7/.,5. +,./175 -,5;,<.1*2 =3.9 .9, 1=,C /*+ 3.9,- 817+ =,/5.5 .9,-,1*

% & 4 ! ' K % ! & 1 ! # # ! ! 1 ! % & ! D 6 ! # !! ! ! L ! ! # ! # ! " = ! # $ " 6 C # E # ! ! ! ! # D ! ! ! # 1 % 3 & MN O PP4 & / # > ! ! 57 % O Q4 &"

9, +1 : ,*513*5 34 .9, =,5. 1=,C 9,/+ 3=./1*,+ =>)5 1* .915 51,--/ 8,-, ,*2.9 & 1*<9,5 =/5/ <1-<) :4,-,*<, 70 1*<9,5

(0+ □# $%&' (' %!)#

,

9,5,' /*1:/75' 891<9' ;,-;,.-/.,' 1*<-,+1=7,' +,5.-)<.13*' .3' 2/:,' /-,' ?,->' /=)*+/*.' 1*' #3-,*/' >,.' -/-,7>' 593.' 1*' .9,' D:3)*./1* +-1?,5' 915' 15' *3.' +),' .3' /*>' 5;,<1/7' /5.).,*,55' 34'.9,' 8374' =).' 51:;7>' =,</)5,' 8917,' 8/1.1*2' 43-' +,,-' 5;3-.5:,*' */.)-/77>' 71,' ?,->' 738' .9)5' 21?1*2' 3;;3-.)*1.>' .3' 837?,5' .3' ;/55')*5,,*B 8917,' 3*' .9,' 3.9,-' 9/*+' 89,*' =3/-5' 3*7>' /-,',C;,<.,+' /*+' 5;3-.5:,*' .9,-,43-,'-,:/1*' 7,55' <3*<,/7,+' .9,' 8374' 15' /;.' .3' +,.,<.' .9,' +/*2,-' =,43-,' /--1?1*2' 81.91*' 593.

' #/>' /+')*,' .9,' 59, 837?,5' ;-3+)<,' .9,1-' >3)*2B =).' 1.' 15' +1441<)7.' .3' +15<3?,-' .9,5,' =-33+5' 51*<,' /.' .9/.' ;,-13+' .9,>' =,./0,' .9,:5,7?,5' .3' -,:3.,' -,213*5' 4/-' /8/>' 4-3:' .9,' 9/)*.5' 4-,6),*.,+' 1*' *3-:/7' .1:,5

9,-,' 15' 938,?,-' 3*,' :,.93+' 34' +15<3?,-1*2' .9,:' 891<9' 15' 0*38*' .3' .9,' :3)*./1*,,-5' /5' .9,' 3-' 8/.<91*2' 43-' .9,:' 3?,-*129.' .9)5' *3.1*2';-,<15,7>' 89,-,',/<9' 59, 8374' 21?,5' .3*2),' 4' 3*' .9,' 43773881*2' :3-*1*2' .9,' 9387' 15' -,;,/.,+' /.' .9,' 5/:,' 5;3.' 1.' 15' /;-/<.1</7' <,-./1*.>' .9/.' .9/.' 8374' 8177' 9/?,' 9,-'=-33+' 1*' .9/.' 1:::,+1/.,' *,129=3)-933+

9,-,);3*' /.' +/>=-,/0' .9,' 9)*.,-5';-3<,,+' .3',C/:1*,',?,->' =)59' /*+' =-/0,' 1*' .9,' :/-0,+' 5;3.' 891<9' 1*?/-1/=7>' <3*515.5' ,1.9,-' 34' 5.-3*2' =-)59833+' 3-' =-30,*' -3<05' 77' /-3)*+' .9,' /<.)/7' 7/1-' 43-' /' 9)*+-,+' >/-+5' .9,' 2-3)*+' 15' .-/<,+' 81.9' 433.@ ;-1*.5' /*+' 5<-/.<91*25' 891<9')5)/77>' 7,/+' .3' 1.5' +15<3?,->B =).' 593)7+' 1.' *3.' =,' 43)*+' .9/.' +/>' 1.' 15' <3:;7,.,7>')5,7,55' .3' 5,,0' 43-' 1.' 3*' .9,' 43773881*2' 51*<,' .9,' :3:,*.' .9/.' /' 59, 8374';,-@ <,1?,5' .9/.' 9,-' 89,7;5' /-,' =,1*2' 53)29.' 59,' /.' 3*<,' -,:3?,5' .9,:' 4/-' /8/>' 3',C.,-:1*/.,' 837?,5' 5.-><9*1*,' 15',C.,*51?,7>')5,+' 21?1*2';351.1?,' -,5)7.5R' .' .9,' 5/:,' .1:,' 1.' 15' /78/>5' =,..,-' .3' 5);;7,:,*.' 1.5')5,' =>' 5,/-<91*2' 3).' 81.9';-/<.1</7:,*' .9,' =-33+5' 34' 8374 <)=5' /.' .9,1-';-3;,-' 5,/53*

9,' ;93.3' 4/<1*2';' LM&' 59385' /:/2*141<,*.' 37+' +32 8374' 5</71*2' "% 7=5' +,/+ 8,129.' 891<9' 8,' 3=./1*,+' 1*' .9,' 1,--/' #3-,*/' *,/-' 3-+3=/' 1*' #/-<9' L"!"

' 91-.,,*' 837?,5' 8,-,' 0177,+' .9)5' D/*+' -,<3?,-,+' 3*' .9,' ;-3;,-.>' 34' .9,' #/-6)15' +,7' #,-1.3' 1*' .9,' 81*.,-' 34' L"!Q '

'

" + 1# '

915' /*1 : /7' =-, ,+5' 1*' ; -17' / ; +' # />' /*+' .9 ,' *) : =, -' 34' >3) *2' 15' 2, *, -/77>' .83 ' 4' </ ; .) -, +' .9 ,' : /E3-1.>' 34' .9 ,' >3) *2' 7>*C, 5' +1, ' /.' .9 ,' ; , -13+' 89, *' .9 ,>' <9/*2 ,' 4-3 : ' /' : 170' +1, .' .3' 5371+' 433+' /*+' 3*, ' : />' 1 : /21*, ' .9/.' .9, ' 5/ : ,' .91*2' 9/ ; ; , *5' 1*' .9, ' </5, ' 34' .9, ' 817+' 7>*C, 5' 51*<, ' 3.9, -815, ' 1.' 15' +1441<) 7.' .3' , C ; 7/1*' 89>' /*' /*1 : /7' 8935, ' 3*7>' , *, : >' 15' : /*01*+' 593) 7+' -, : /1*' 53' 5</-<, ' 9, 1-' 433+' <3*515.5' 34' ; /-.-1+2, 5' -/==1.5' /*+' 3.9, -' 5 : /77' 2/ : ,

6 '

1.9' .9, ' -, +' +, , -' 34' .9, 5, ' : 3) *./1*5' /5' , 75, 89, -, ' 1*' ; /1*' .9, ' -) .' " ' +, ; , *+5') ; 3*' .9, ' /) .) : *' 891<9' 5, /53*' : />' =, ' , /-71, -' 3-' 7/., -8 =) .' .9, ' ' /78/>5' ./0, 5' ; 7/<, ' =, .8, , *' : 1+' , ; ., : =, -' /*+' : 1+ <.3=, -' 9, ' </7?, 5' /-, ' =3-*' /.' , *+' 34' # />' 3-' , /-7>' 1*') *, ' /*+' 5) <07, +' =>' .9, 1-' : 3.9, -5' .177' .9, ' 437738 1*2' /) .) : *

9, ' </5.1*2' 34' .9, ' 93-*5' .32, .9, -' 81.9' .9, ' <9/*2, ' 34' 9/1-' ?/-1, 5' 1*' +/., ' +, ; , *+1*2' 3*' .9, ' 5./., ' 34' 9, /7.9' 1*' , /<9' 1*+1?1+) /7' .' 2, *, -/77>' 3<<) -5' 1*' # />' =) .' 1*' ?, ->' -3=) 5.' /*1 : /75' 8, ' 9/?, ' 5, , *' </5, 5' 1*' ; -17' /*+' 1*' .9, ' ' 3-' 5./25' 34' 3*, ' >, /-' 1*' # /-<9' 9, ' +, ?, 73; : , *.' 34' .9, ' *, 8' 93-*' 15' <3 : ; 7, ., ' =>' .9, ' , *+' 34') 7>' /*+' 1*') 2) 5.' 3<<) -5' .9, ' 59, ++1*2' 34' .9, ' ?, 7?, .' 9, ' 93-*' /.' 41-5.' 15' 34' /' 891., ' =3*, <373) -' =) .' 2-/+) /77>' +/-0, *5' .9, ' 41*/7' <373) -' +, ; , *+1*2' 3*' .9, ' */.) -, ' 34' .9, ' =) 59' 4-, 6), *., +' .9, ' =7/<0, 5.' =, 1*2' 43) *+' 1*' .935, ' 5./25' 891<9' 1*9/=1.' .9, ' 2) : ' <15.) 5' $

7.93) 29' 1.' 15' <) --, *.7>' =, 71, ?, +' / : 3*2' <3) *.->' 4370' .9/.' .9, ' /2, ' 34' /' 5./2' </*' =, ' +, ., - : 1*, +' =>' .9, ' *) : =, -' 34' 915' ; 31*.5' .915' 15' 1*<3--, <. ' .9, ' 93-*' +, ?, 73; : , *.' +, ; , *+1*2' 537, 7>' 3*' .9, ' -3=) 5.*, 55' 34' .9, ' /*1 : /7' .' 4-, 6), *.7>' 9/ ; ; , *5' .9/.' /' 5./2' </--1, 5' 4, 8, -' ; 31*.5' .9/*' 9, ' +1+' .9, ' >, /-' =, 43-,

9, *' .9, ' 91*+5' /-, ' /=3) .' .3' =-1*2' 43-.9' .9, >' 1537/., ' .9, : @ 5, 7?, 5' 5, , 01*2' 5; 3.5' 89, -, ' .9, ' =-) 59833+' 15' 7, 55' +, *5, ' /*+' 7, /?1*2' .9, ' </74' <3*<, /7, +' 1*' 53 : , ' =) 59' 9, ' 9/=1.5' 34' /' 91*+' 89, *' 21?1*2' 9, -' 3445; -1*2' 1.5' 41-5.' 7, 553*5' 1*' .9, ' /-.5' 34' <3*<, /7@ : , *.' /*+' </) .13*' /-, ' 1*., -, 5.1*2' .3' 8/.<9' 93-.7>' /4., -' +/>] ' =-, /0' .9, ' : 3.9, -' 5) ++, *7>' ; , -43- : 5' /' 5, -1, 5' 34' 817+' <3*?) 751?,

□# $%&' (‘ %!)#

=3) *+5‘ 7, / ; 1*2‘ / 8 />‘ 3?, -‘ .=, ‘ =) 59‘ /5‘ .93) 29‘ 1*‘ ; -, 5, *<, ‘ 34‘ ?151=7, ‘ ; , -17‘ .9) 5‘ /7 / - : 1*2‘ .9, ‘ >3) * 25. , -‘ / *+‘ ., / <91*2‘ 1.‘ .3‘ 5, , 0‘ <3?, -‘ 43-‘ 1.5, 74‘ 915‘ ; , -43- : / *<, ‘ 15‘ -, ; , / ., +‘ / .‘ 1*., -? / 75‘) *.17‘ .9, ‘ </74‘ 9 / 5‘ 7, / -*.‘ .3‘ 71,) ; ‘ 89, *‘ .9, ‘ 91*+‘ 8177‘ +3‘ .9, ‘ 5/ : , ‘ =) .‘ / .‘ 53 : , ‘ +15. / *<, ‘ / 7.93) 29‘ 1*‘ ?1, 8 ‘ 9, ‘ 3*7>‘ / 7738 5‘ 9, -‘ ; -32, *>‘ .3‘ / <<3 : ; / *>‘ 9, -‘ 89, *‘ 1.‘ 9 / 5‘ / <6) 1-, +‘ 5) 441<1, *.‘ 5.-, *2.9‘ / *+‘ / 2171.>‘ .3‘ 43773 8 ‘ 8 91<9‘ 15‘ .9, ‘ </5, ‘ 53 : , ‘ . 8 , *.>‘ 3-‘ .91-.>‘ +/>5‘ / 4., -‘ =1-.9

/ ?1*2‘ *3., +‘ .9, ‘ 5 ; 33-‘ 34‘ /‘ 51*27, ‘ 91*+‘ / .‘ .9, ‘ =-, , +1*2@ .1 : , ‘ 3*, ‘ : />‘ 43773 8 ‘ .3‘ .9, ‘ 5 ; 3.‘ 89, -, ‘ 59, ‘ 15‘ 5) <071*2‘ 9, -‘ >3) *2‘) .‘ 53‘ 533*‘ / 5‘ 3*, ‘ 3=5, -?, 5‘ .9, ‘ ; -1*.5‘ 34‘ .9, 5, ‘ 5 ; / 5 : 3+1<‘ E) : ; 5‘ 81.9‘ 8 91<9‘ .9, ‘ : 3.9, -‘ 1*5.175‘ 1*.3‘ 9, -‘ 3445 ; -1*2‘ / ‘ 5, *5, ‘ 34‘ </) .13*‘ D / 5‘ / =3?, ‘ +, 5<-1=, + ‘ 3*, ‘ : />‘ .9, *‘ =, 21*‘ 7, 15) -, 7>‘ .3‘ , C / : 1*, ‘ , ?, ->‘ =) 59‘ -3) *+‘ / =3) .‘ 7) ‘ 3*, ‘ 34‘ .9, 5, ‘ .9, ‘ </74‘ 8177‘ =, ‘ 43) *+‘ 7>1*2‘ <) -7, +‘) ; ‘ 81.93) .‘ / ‘ =, +‘ / *+‘ 81.9‘ 1.5‘ *35, ‘ -, 5.1*2‘ 3*‘ 1.5‘ 91 ; R‘ .‘ 8177‘ / .‘ 41-5.‘ 344, -‘ 53 : , ‘ 57129.‘ -, 515. / *<, ‘ =) .‘ 3*<, ‘ </ ; .) -, +‘ : />‘ =, ‘ 5, .‘ 4-, , ‘ 81.9‘ .9, ‘ <, -. / 1*.>‘ .9 / .‘ 1.‘ 8177‘ *3.‘ : / 0, ‘ / *>‘ / .. , : ; .‘ .3‘ , 5</ ; ,

‘ 9, ‘ 3*7>‘ , *, : 1, 5‘ .9, ‘ 4) 77 2-38 *‘ 5. / 2‘ 9 / 5‘ .3‘ 4, / -‘ / -, ‘ : / *01*+‘ / *+‘ .9, ‘ 8374‘ =) .‘ <91, 47>‘ .9, ‘ 7 / .. , -‘ 51*<, ‘ *3.‘ 3*7>‘ +3‘ 51*27, ‘ 837?, 5‘ +, 5.-3>‘ 1*‘ .915‘ 51, --/‘ 7 / -2, ‘ *) : =, -5‘ 34‘ .9, ‘ *, 87>‘ =3-*‘ </7?, 5‘ =) .‘ 83-5, ‘ 5.177‘ 89, *‘ /‘ .-33 ; ‘ 34‘ 837?, 5‘ 9 / ?, ‘ 3*<, ‘ ./ 5., +‘ ?, *153*‘ .9, >‘ <3 : : , *<, ‘ 9 / =1.) / 77>‘ .3‘ 9) *.‘ =3.9‘ 91*+5‘ / *+‘ , ?, *‘ .9, ‘ >3) *2, -‘ 5. / 25‘ 8 91<9‘ .9, >‘ ; , -515., *.7>‘ 43773 8‘ +/>‘ / 4., -‘ +/>‘ .177‘ .9, ‘ +, , -‘ / -, ‘ / =537) ., 7>‘ 83-*‘ 3) .‘ 9, >‘ .9, *‘ ;) 77‘ .9, : ‘ +38 * ‘ .9, ‘ 41* / 7‘ 5<, *, ‘) 5) / 77>‘ 3<<) --1*2‘ 1*‘ 53 : , ‘ +, , ; ‘ - / ?1*, ‘ 3-‘ : 3) *. / 1*‘ =) -*

9, ‘ </7?, 5‘ 34‘ -, +‘ +, , -‘ / 5‘ 9 / ; ; , *5‘ 81.9‘ 1=, C‘ 01+5‘ / -, ‘ / 753‘ ; -, >, +‘) ; 3*‘ =>‘ 237+, *‘ , / 27, 5

, (1

5‘ -, 2 / -+5‘ 5 ; 3-.‘ .9, ‘ =, 5.‘ -, 5) 7.5‘ / -, ‘ 3*7>‘ / .. / 1* / =7, ‘ =>‘ ‘ 3-‘ , C., *+, +‘ +-1?, 5‘ / 55) : 1*2‘ .9 / .‘ .9, ‘ +15.-1<.‘ 15‘ .91<07>‘ E) *27, +‘ / *+‘ 2, *, - / 77>‘ 34‘ , 7, ? / ., +‘ 51.) / .13*‘ 9, -, ‘ 15‘ / 753‘ /‘ 5>5., : ‘ 34‘ 5933.1*2‘ / .‘ .9, ‘ G‘ -3 / -1*2 .1 : , H‘ =) .‘ .9 / .‘ 15‘) *<, -. / 1*‘ 381*2‘ .3‘ .9, ‘ - / ; 1+1.>‘ 34‘ .9, ‘ 5. / 25‘ : 3?, : , *.5‘ .9, ‘ .91<0‘ =) 59‘ / *+‘ .9, ‘ -150‘ 34‘ 915‘ 2, ..1*2‘ .9, ‘ 81*+‘ -/<.15, +

‘ 1 : 17 / -7>‘ .9, ‘ 9 / 74 817+‘ </..7, ‘ 34‘ ; / 1*‘ 7, / ?, ‘ .9, 1-‘ *, 8 =3-*‘ </7?, 5‘ <3*<, / 7, +‘ 1*‘ 53 : , ‘ =) 59‘ 3-‘ ; / 7 : , ..3‘ .9, ‘ : 3.9, -‘ 231*2‘ 344‘ 43-‘ /‘ 8937, ‘ +/>‘ / *+‘ 3*7>‘ -, ,) -*1*2‘ / .‘ 5) *5, .

ZAMUJAR, JAÉN.
Points 16. Length 38¾ in.

VALDELAGRANA.
Points 16. Length 40⅝ in.

SIERRA QUINTANA.
Points 15. Length 37½ in.

RISQUILLO.
Points 14. Length 36¾ in.

RED DEER HEADS, SIERRA MORÉNA.

) !' ' #! (

.-/<0,-5' /-,' 1*' .71,' 9/=1.' 34' 9)*.1*2' ' ' ' 891<9' <3*515.5' 1*' 3=5,-?1*2' .9,' +,,-' /.' +/>=-,/0' 5,7,<.1*2' /' 233+' 5./2' /*+' /4.,-8/-+5' 43773 81*2' 915' 5;33-' /.' :1++/>' D/.' 891<9' 93)-' +,,-' 8917,' ,*E3>1*2' .9,1-' 51,5./' /-,' +)1.,' /;.' .3' 71,' <735,' /*+' 5933.1*2' /5' 9,' 5;-1*25' 4-3:' 915' 7/1-' : ' :

' -,/77>' =12' 5./2' 15' *,/-7>' /78/>5' 43)*+' /73*,' 3-' 593)7+' 9,' 9/?,' /' <3:;/*13*' .9,' 5,<3*+' 8177' /753' =,' /*' /*1:/7' 34' 7/-2,' 51l,')<9' 5./25' /-,' *,?,-' 5,,*' 81.9' 91*+5' ,C<,;.1*2' 1*' .9,' /).):*' "

9,' 5>5.,:' 34' .9,' ' 3-' :3)*./1* +-1?,' 15' +,5<-1=,+' 1*' +,./17' 1*' .9,' 43773 81*2' <9/;.,-

' ' ' N' '

#,/5)-,+' =>' .9,').93-5' 3-' 3.9,-' 5./.,+').93-1.>

1+.9

3</71.>	,*2.9			1-,)1* 4,-,11<,	).93-1.>
L	1;5	*51+,			
	1*5	1*5	1*5	1*5	
#3-R*/	%%[				#/-6'#,-1.3'D;' LM&
>-,*,,5	%L	Q1		&4	1-' ' -330,
,?/+/	"L	//	![	&1	.'#/+-1+
$-,+35'	"[	%R		"1	).93-5
3 J	"R	%1	L		#' :,I11/
3	"	1			).93-
>-,*,,5	"	%		L!	1-' ' -330,
,?++/'-'	"	%	L&4	"	).93-5
3	&1	RL		"1	3
#3-,*/	&1				3
,-:,E/	&	L"			3
#3-+*/	Q4				3-+' 1*+71;
$-,+35	QR		//-		.'#/+-1+
>-,*,,5	Q	L		L!	1-' ' -330,
/' 7/*</'	Q			P	' /-135
$-++35 J	(E.				).93-5
>-,*,,5	[	L&4		TQ	' ')C.3*
/' 7/*</'			L(	'[	' /-135
/7,*<1/	L4	LQ4	L'		')-23>*,

93.35' 21?,*' 1*' '

5 ˢ

ˢ # ! Q ˢ "

ˢ ˢ ˢ

ˢ : 3) * . /1*ˢ +, , -ˢ 34ˢ .9, ˢ 1, --/ˢ # 3-, * /ˢ /-, ˢ .9, ˢ 2-/ * +, 5. ˢ 34ˢ .9, 1-ˢ 01* +ˢ 1*ˢ ; /1* ˢ / * +ˢ 8177ˢ <3 : ; /-, ˢ 4/?3) -/=7>ˢ 81.9ˢ / * >ˢ .-) 7>ˢ 817+ˢ +, , -ˢ 1*ˢ) -3; , +ˢ 9, ˢ +-/ 81*25ˢ ; 93.32-/ ; 95ˢ / * +ˢ : , /5) -, : , * .5ˢ 21?, *ˢ 1*ˢ .915ˢ <9/ ; . , -ˢ ; -3?, ˢ 53ˢ :) <9ˢ =) . ˢ *3ˢ : , -, ˢ *) : , -/75ˢ <3*?, >ˢ / *ˢ /+, 6) / . , ˢ <3*<, ; .13*ˢ 34ˢ .9, 5, ˢ : /2*141<, * . ˢ 9/-.5ˢ /5ˢ 5, , *ˢ 1*ˢ .9, ˢ 4) 77ˢ 273->ˢ 34ˢ 714, ˢ =3) * +1*2ˢ 1*ˢ) *, 6) /7ˢ 7, / ; 5ˢ 3?, -ˢ 53 : , ˢ -3<0>ˢ ; /55ˢ 3-ˢ ; 1<01*2ˢ : 3-, ˢ +, 71=, -/ . , ˢ <3) -5, ˢ) ; ˢ / ˢ 5.3*, ˢ 5. /1-8 / >

/551?, ˢ /5ˢ .9, >ˢ /-, ˢ 1*ˢ =3+>ˢ D8, 1291*2ˢ 5/>ˢ %!!ˢ 7=5ˢ <7, / * ˢ >, . ˢ , ?, *ˢ 53ˢ .9, ˢ 21/ * . ˢ / * .7, -5ˢ / ; ; , /-ˢ /7 : 35. ˢ +15; -3; 3-.13* / . , ˢ 1*ˢ 7, *2.9ˢ / * +ˢ 5) ; , -5.-) <.) -,

9, ˢ 8937, ˢ 1, --/ˢ # 3-, * /ˢ =, 1*2ˢ <7/+ˢ 81.9ˢ =-) 59833+ˢ / * +ˢ E) *27, ˢ .91<0, -ˢ 1*ˢ ; 7/<, 5ˢ =) . ˢ *38R9, -, ˢ <7, /-ˢ 5933.1*2ˢ 15ˢ ; -/<.1</77>ˢ <3*41*, +ˢ .3ˢ Gˢ +-1?1*2ˢ Hˢ 3*ˢ .9/ . ˢ , C., *51?, ˢ 5</7, ˢ ., - : , +ˢ 1*ˢ ; / *159ˢ ; 9-/5, ˢ

, 43-, ˢ +, 5<-1=1*2ˢ .83ˢ 3-ˢ .9-, , ˢ .>; 1</7ˢ , C; , -1, *<, 5ˢ 34ˢ 3) -ˢ 38*ˢ 1*ˢ .915ˢ 51, --/ˢ 8, ˢ / .., : ; . ˢ / ˢ 50, .<9ˢ 34ˢ .9, ˢ 5>5., : ˢ 34ˢ .9, ˢ ˢ /5ˢ ; -/<.15, +ˢ .9-3) 293) . ˢ ; /1*

9, ˢ /-, / ˢ 34ˢ 3; , -/ .13*5ˢ =, 1*2ˢ 1 : : , *5, ˢ / * +ˢ <7/+ˢ 81.9ˢ /7 : 35. ˢ <3*.1*) 3) 5ˢ .91<0, . ˢ 1. ˢ 15ˢ <) 5.3 : /->ˢ .3ˢ , : ; 73>ˢ .83ˢ 3-ˢ .9-, , ˢ 5, ; /-/ . , ˢ ; /<05ˢ D., - : , +ˢ ˢ 3-ˢ ˢ <3) * .1*2ˢ 1*ˢ /77ˢ /5ˢ : / * >ˢ /5ˢ 5, ?, * .>ˢ 3-ˢ , 129.>ˢ 93) * +5ˢ 9, ˢ , C.-/ˢ ; /<05A =, >3*+ˢ .9/ . ˢ =, 73*21*2ˢ .3ˢ .9, ˢ 935. A /-, ˢ =-3) 29. ˢ =>ˢ 5933.1*2ˢ 2), 5.5ˢ / * +ˢ , /<9ˢ ; /<0ˢ 9/5ˢ 1.5ˢ 38*ˢ 9) * .5 : / *ˢ " ˢ 893 : ˢ /73*, ˢ 915ˢ 38*

ˢ , ˢ , C<7) +, ˢ 4-3 : ˢ <3*51+, -/ .13*ˢ /77ˢ +, , -ˢ .9/ . ˢ /-, ˢ 81*., - 4, +ˢ 3-ˢ 3.9, -815, ˢ /5515., +ˢ / * +ˢ 34ˢ <3) -5, ˢ /77ˢ .9/ . ˢ 9/?, ˢ =, , *ˢ Gˢ 1 : ; -3?, +ˢ Hˢ =>ˢ <-355, 5ˢ 81.9ˢ , C.-/ *, 3) 5ˢ =733+ˢ 9, 5, ˢ : 3) * . /1*ˢ +, , -ˢ 34ˢ ; /1*ˢ /-, ˢ .-) , ˢ * /.1?, ˢ /=3-121*, 5ˢ) * /7., -, +ˢ / * +ˢ 71?1*2ˢ .9, ˢ 5/ : , ˢ 817+ˢ 714, ˢ /5ˢ .9, >ˢ 71?, +ˢ 9, -, ˢ 1*ˢ 3 : / *ˢ +/>5ˢ / * +ˢ 1*ˢ /2, 5ˢ =, 43-,

LM&

Wolf shot Sierra Moréna,
March, 1909—weight 93 lb.

Huntsman with Caracola,
Sierra Moréna.

Pack of Podencos, Sierra Moréna. (Coupled in pairs.)

) !ˢ ' #! 0

.3)*+5ˢR8177ˢ437738ˢ3-ˢ-,<32*15,ˢ 9,ˢ9)*.5:,*ˢD.93)29ˢ*3.ˢ.9,ˢ
=,/.,-5ˢ/-,ˢ:3)*.,+ˢ/*+ˢ,/<9ˢ</--1,5ˢ/ˢ:)50,.ˢ/*+ˢ/ˢ . ˢ
3-ˢ9)*.1*2 93-*ˢ43-:,+ˢ34ˢ/ˢ=12ˢ5,/59,77ˢ 9,ˢ43-,7,25ˢ34ˢ.9,ˢ
93-5,5ˢ89,-,ˢ*,<,55/->A ,5;,<1/77>ˢ1*ˢ 5.-,:/+)-/A /-,ˢ,*?,73;,+ˢ
1*ˢ7,/.9,-ˢ59,/.95ˢ ˢ ˢ 2 ˢ.3ˢ;-3.,<.ˢ.9,:ˢ4-3:ˢ.9,ˢ
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' 83-+' 9,-,' /5' .3' .9,' 2/ : ,' /*+' 1.5' 9/=1.5' 9,' 7/1-5' 34' 817+ ' =3/-' /-,' 1*?/-1/=7>' 1*' .9,' +,*5,5.$E)*27,' /*+' 3*' .9,' 59/+,+' 573;,' 89,-,' *3' 5)*' ,?,-' ;,*,.-/.,5' 9,-,' 15' /78R/>5' /.' 9/*+' : 3-,3?,-' /' -,/+>' ' 3-' ,C1. ' /73*2' 53 : ,' +,,;' 8/.,-<3)-5,' 3-' =>' /' -3<0>' -/?1*,' 3-' 2)77> A -/-,7>' +3' .9,5,' /*1 : /75' 5938');' 1*' .9,' 3;,*' 3-' ,?,*' 1*' 2-3)*+' 34' 5</*.>' <3?,-.' .' 15')5)/77>' .9,' 5.-3*2,5.' /-=).)5 .91<0,.5' ' .9/.' .9,>' 5,7,<.' 43-' .9,1-' 6)/-.,-5

.' 15' 5,7+3 :' .9/.' 817+ =3/-' /-,' G' 9,7+);' H' =>' .9,' +325' +)-1*2' /' =,/. A .9,' 37+' .)50,-5' *,?,-

,,-' 3*' .9,' <3*.-/->' /?31+' .9,' +,*5,-' E)*27,' 7>1*2);' 1*' : 3-,' 3;,*' =-)59833+' /*+' 1*?/-1/=7>' 3*' .9,' 5)**>' 573;,' 93)29' .9,1-' G' =,+5' H' ' : />' =,' 3*' .9,' 738,-' 2-3)*+' .9,>' 1*?/-1/=7>' 5,,0' .9,' 9,129.5' 89,*' +15.)-=,+' /*+' .9,*' 5,7,<.' /' <3)-5,' .9-3)29' .9,' 7129.,-' <15.)5 5<-)=' 3-' /<-355' 3;,*' 5<-,,5' 0*381*2' 1*5.1*<.1?,7>' .9/.' .9)5' .9,>' </*' .-/?,7' 4/5.,5.' /*+' =,5.' .9-38' 344' .9,' ;)-5)1*2' ;/<0

81*2' .3' .9,' 81+,' /-,/5' 34' ,/<9' =,/.' /' ' 1*' .9,' 51,--/5' 15' <3*41*,+' .3' /' 51*27,' +-1?,' ,/<9' +/>' .9,' 2)*5')5)/77>' -,/<91*2' .9,1-' ;35.5' /=3).' ,7,?,*' 3 <73<0' /*+' -,' /1*1*2' .9,-,1*' .177' 7/.,' 1*' .9,' /4.,-*33*' *' .9,' 7387/*+5' /5' /7-,/+>' +,5<-1=,+' 43)-' 41?,' /*+' ,?,*' 51C' D+-1?,5' /-,' 53 : ,.1 : ,5' ;3551=7,' +)-1*2' .9,' +/>

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' 273-13)5' -1+,' / : 1+' 5;7,*+1+' : 3)*./1*' 5<,*,->' /77' 71.');' 81.9' 53).9,-*' 5)*591*,A .9,' */--38' =-1+7,.-/<0' *38' 43-:5' /' : ,-,' .)**,7' 9,8*' 3).' 34' 1 : ;,*+1*2' 4371/2,B' /*3*' 1.' +,5<,*+5' /=-);.' -3<0 4/<,5' 1*' I121/25' 710,' /' <3-05<-,8' /;.' .3' : /0,' *,-?,5' <-,,;' 89,*' 3*,' 4/75,' 5.,;' 83)7+' ;-,<1;1./.,' 93-5,' /*+' -1+,-' 1*.3' /' 9/74 5,,*' .3--,*.' 9)*+-,+5' 34' 4,,.' =,738' 3 : ,' ,129.' : 17,5' 34' .915' /*+' =>' ,7,?,*' 3 <73<0' 8,' 9/?,' -,/<9,+' 3)-' ;351.13*5' /.' 35' 7/*35' +,7' ,<3

9,5,' ;351.13*5' ,C.,*+' 43-' 3?,-' /' 7,/2),' 1*' 7,*2.9' D.9,-,' /-,' .8,7?,' 2)*5' 3<<);>1*2' .9,' <-,5.5' /*+' G' ;/55,5' H' 34' /' 734.>' -1+2,' 89,*<,' 3*,' ,*E3>5' /' =1-+5,>,' ?1,8' 34' /' 83-7+' 34' 817+' : 3)*./1* 7/*+

>' 38*' ;35.' <3 : : /*+,+' /' ;/*3-/ : /' 34' /7 : 35.' .9,' 8937,

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day's operation, excepting only that on my immediate front there yawned a deep ravine (*cañada*) into the full depth of which I could not see.

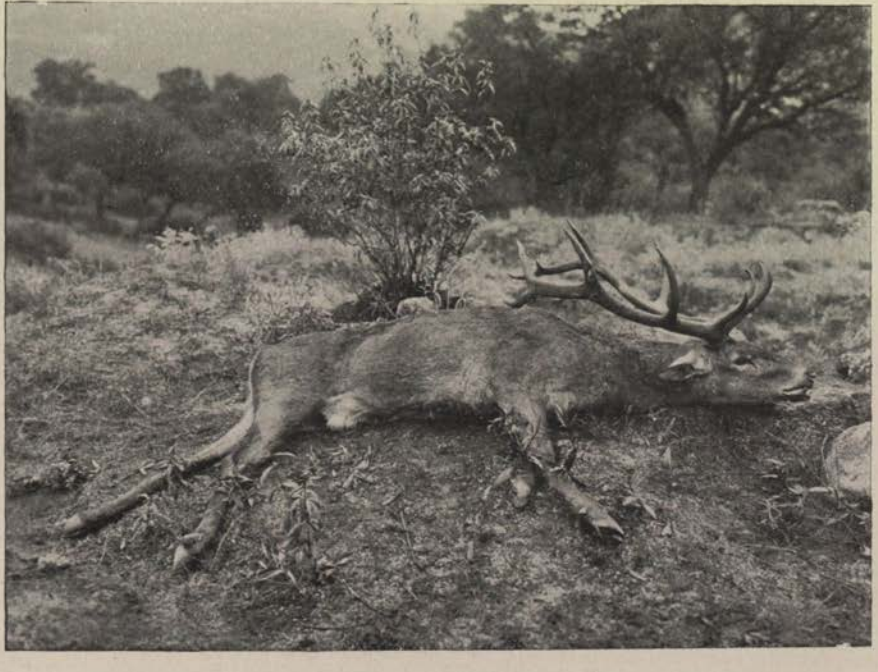
Already within a few minutes one had become aware, by a far-distant shot, and by the echoing note of the bugle faintly borne on a gentle northerly breeze, that the beat had begun. At dawn that morning the four huntsmen, each with his pack, had left the lodge, and are now encircling some seven or eight miles of covert on our front, two-thirds of which lay beneath my gaze.

For five hours I occupied that *puesto* sitting between convenient rocks, and hardly a measurable spell of the five hours but I was held alert, either by the actual sight of game afoot—far distant, it is true—or by the shots and bugle-calls of the hunters and the music of their packs—all signs of game on the move.

It is instructive, though rarely possible, to watch wild game thus, when danger threatens, and to observe the wiles by which they seek escape—doubling back on their own tracks till nearly face to face with the baying *podencos*, and then, by a smart flank-movement, skirting round behind the pack, till actually between the latter and the following huntsmen; then lying flat, awaiting till perchance the latter has gone by! That is our stag's plan—bold and comprehensive—yet it fails when that huntsman, biding his time, perceives that his pack have overrun the scent and recalls them to make quite sure of that intervening bit of bush—poor staggie! Rarely indeed, even in mountain-lands, do such chances of watching the whole play (and bye-play) occur as those we enjoyed to-day on the Llanos del Peco. Shots are apt to be quite difficult, as all bushes and many trees are in full leaf (January) and the *rayas*, or rides cut out along the shooting-line, barely twenty yards broad. To-day, moreover, the wind shifting from north to east operated greatly to our disadvantage—practically, in effect, ruined the plan.

The first stag that came my way had already touched the tainted breeze ere I saw him—being slightly deaf (the effects of quinine) I had not heard his approach. Instantly he crossed the

WILD-BOAR—WEIGHT 200 LBS., CLEAN.



THE RECORD HEAD—43 INCHES—LUGAR NUEVO, NOV. 14, 1909.
SIERRA MORÉNA.

raya, 100 yards away, in two enormous bounds. There was just time to see glorious antlers with many-forked tops ere he dived from sight, plunging into ten-foot scrub.

I had fired both barrels, necessarily with but an apology for an aim and the second purely "at a venture." Three minutes later resounded the tinkling *cencerros* (bells) of the *podencos*, and when two of these hounds had followed the spoor ahead, all *mute*, then I knew that both bullets had spent their force on useless scrub.

Fortune favoured. Half an hour afterwards, a second stag followed. This time a gentle rustle in the bush, and one clink of

AZURE-WINGED MAGPIE

a hoof on rock had caught my faulty ear. Then coroneted antlers showed up from the depths below, and so soon as the great brown body came in view, a bullet on the shoulder at short range dropped him dead. This was an average stag, weighing 255 lbs. clean, but although "royal," carried a smaller head than that first seen. Later, two other big stags descended together into the unseen depths on my front, but whither they subsequently took their course—*quien sabe?* I saw them no more.

The only other animal that crossed my line during the day was a mongoose, but objects of interest never lacked. Close behind my post, a huge stick-built nest filled a small ilex. This was the ancestral abode of a pair of griffons, and its owners were already busy renewing their home, though my presence sadly disconcerted them. Hereabouts these vultures breed regularly *on trees*, a most unusual habit, due presumably to the lack of

suitable crags which elsewhere form their invariable nesting-site. Cushats and robins lent an air of familiarity to the scene, while azure-winged magpies—a species peculiarly Spanish—hopped and chattered hard by, curiosity overcoming fear. There were also pretty Sardinian warblers, with long tails and a white nuchal spot like a coal-tit. Other birds seen in this sierra include merlin and kestrel, green woodpecker, jay, blackbird, thrush, redwing, woodlark, and chaffinch; and on off-days we shot a few red-legged partridges.

The two packs employed to-day numbered forty—twenty-four big and sixteen small *podencos*, all yellow and white, the larger having a cross of mastiff. That evening two of the best in the pack were missing—" Capitan," killed by a boar in the *mancha*; the other returned during the night, fearfully wounded, one foreleg almost severed.

SARDINIAN WARBLER

The head-keeper told us that these *podencos* fear the he-wolf. They will run keenly on his scent, but never dare to close with him as they do with boar. Yet curiously they have been known to fraternise with the she-wolf, and in no case will they attack, but rather incline to caress her.

It was estimated by the drivers that eighty head of big-game (*reses*) were viewed to-day. Thirty-two shots were fired, but only my one stag was killed. Had the wind held steady, much better results were probable.[1] Included among the guests at Mezquitillas—and they represented rank and learning, arms, State, and Church—was a genial and imposing personality in the poet laureate of Spain, Sr. D. Antonio Cavestany, who celebrated this delightful if somewhat unlucky day in a series of graceful couplets. We are wholly unequal to translate, but copy two or three which readers who understand Spanish will appreciate :—

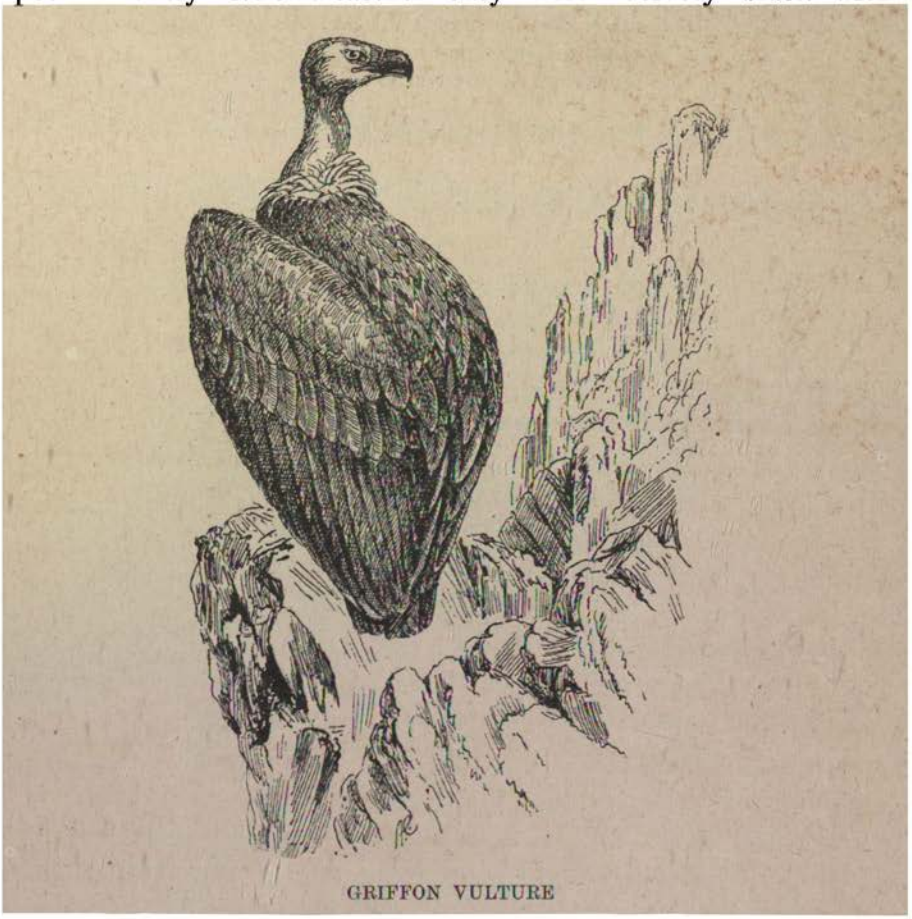
[1] I never myself count shots, hits or misses—*horas non numero*. The above record is solely due to the inception by our gracious hostess at Mezquitillas of a pretty custom, namely, that for every bullet fired, a small sum should be payable by the sportsman towards a local charity.

9, *,C. +/>5 3;,-/.13*5 ;-,<15,7> -,?,-5,+ .935, 34 .3+/> .9, 2)*5 =,1*2 ;7/<,+ /73*2 .9, +,;.95 34 / ?/77,> 8917, .9, =,/.,-5 =-3)29. +38* .9, 8937, :3)*./1* 573;,5 /=3?, 9)5 ,/<9 ;35. .93)29 1. <3: :/*+,+ / G;/55H 2/?, *3 5)<9 83*+,-4)7 ?1,8 =,>3*+ /5 9/+ =,,* .9, 4,/.)-, 34 >,5.,-+/>5 . 8177 1* 4/<. =, 3=?13)5 .9/. 1* / =12 :3)*./1* 7/*+ *3 .83 =,/.5 /-, ,?,- /710, *3- .9, <3*+1.13*5 ,6)/7 ?,-> +/> ;-,5,*.5 4-,59 ;-3=7, :5 9/. 15 3*, 34 .9, <9/-:5

3+/> 5,?,-/7 5./25 /*+ / ;12 8,-, 0177,+ =,51+,5 3*, -3, +,,- /*+ /* ,*3-:3)5 817+ </. .9/. 5</7,+ '4 01735 D3?,- L' 7=5

38/-+5 *33* .9, 5)* 9,/. 1* .9, 23-2, =,1*2 1*.,*5, 9/+

cautiously shifted my post to the banks of a mountain-burnlet that, embowered in oleanders,[1] gurgled hard by. In those glancing streams, while I sat motionless, a pair of water-shrews were also busied with their lunch—dipping and diving, turning over pebbles, and searching each nook and cranny of the crystal pool. Lovely little creatures they were—velvety black with



GRIFFON VULTURE

snow-white undersides, which showed conspicuously on either flank; but the curious feature was the silver sheen caused by infinite air-bubbles that still adhered to the fur while they swam beneath the surface. They recalled a similar scene in an elk-forest of distant Norway; but never in Spanish sierras have

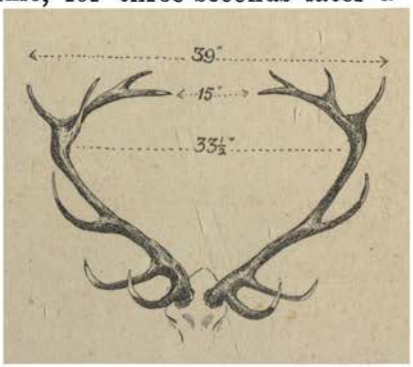
[1] The oleander is poisonous to horses and other domestic animals, and is instinctively avoided by both game and cattle. During the Peninsular War it is recorded that several British soldiers came by their deaths through this cause. A foraging party cut and peeled some oleander branches to use as skewers in roasting meat over the camp-fires. Of twelve men who ate the meat, seven died.

ROARING—(SEPTEMBER).

"HABET."

we noticed water-shrews except on this occasion. While yet watching the water-fairies, another movement caught the corner of one eye; with slow sedate steps, a grey wild-cat was descending the opposite slope. She saw nothing, yet the foresight of the ·303 carbine was recusant, it declined to get down into the nick, and a miss resulted. But what a bound the feline gave as an expanding bullet (at 2000 feet a second velocity) shattered the sierra half an inch above her back!

An incident occurred near this point (though in another year) with a stag. Two shots had been fired on the left, when the slightest sound behind and above inspired a prepared glance in that direction—and only just in time, for three seconds later a glorious pair of antlers showed up on the nearest bush-clad height, and the easiest of shots yielded a 35-inch trophy.

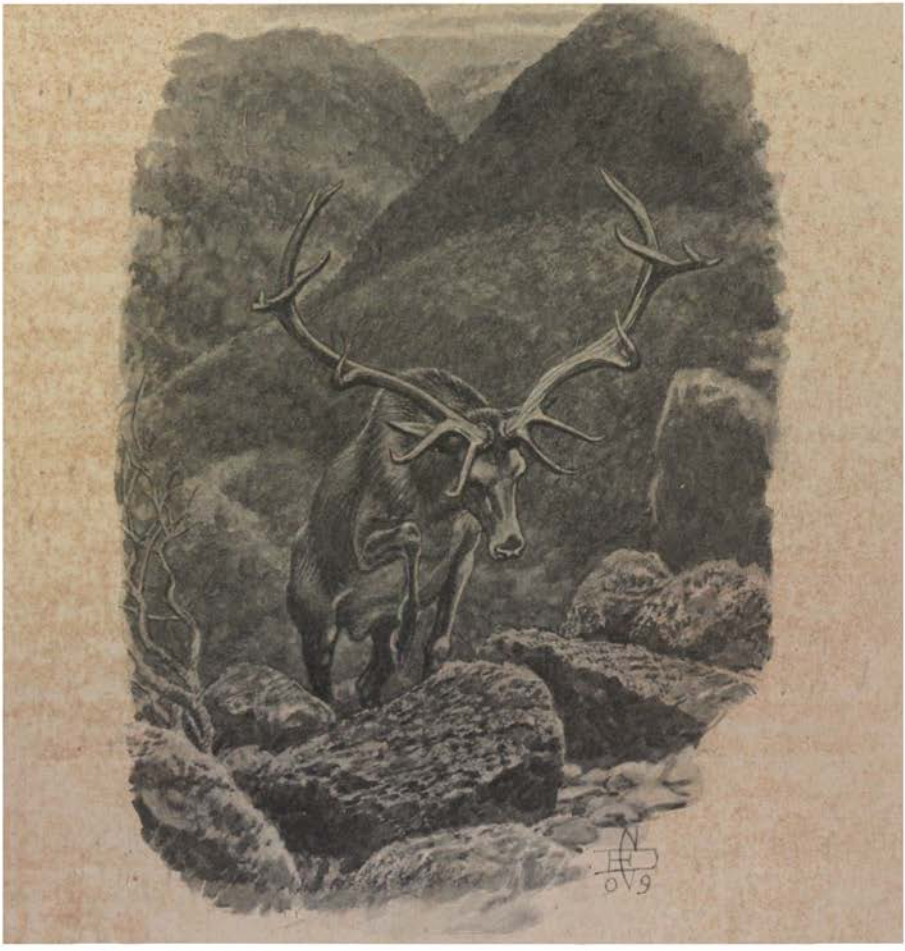


The annexed drawing shows a 14-pointer, which was killed here the following year by our host, Sr. Don Juan Calvo de León of Mezquitillas. In mere inches the measurements may be surpassed by others, but no head that we have seen excels this in extraordinary boldness of curve and symmetry of form. This stag was shot on the Puntales del Peco, January 17, 1908, and in the same beat Sr. Juan Calvo, Junr., secured another fine 14-pointer, as below:—

	Points.	Length.	Widest Tips.	Widest Inside.	Circ. above Bez.
No. 1 . .	14	38¾"	39¼"	33¼"	6¼"
No. 2 . .	14	36¼"	...	25¾"	...

Less rosy on that occasion was the writer's own luck. My post in Los Puntales was in a narrow neck or "pass" in the knife-edged ridge of a mountain-spur, the rock-strewn ground, overgrown with cistus shoulder-high, falling sharply away both before and behind. In front I looked into a chasm probably 1500 feet in depth, the hither slope being invisible, so sharp was

the drop; the opposite side, however (probably 2000 feet high), lay spread out as it were a perpendicular map. From leagues away beyond its apex the beaters were now approaching. From early in the day great fleecy cloud-masses had rolled by, and these

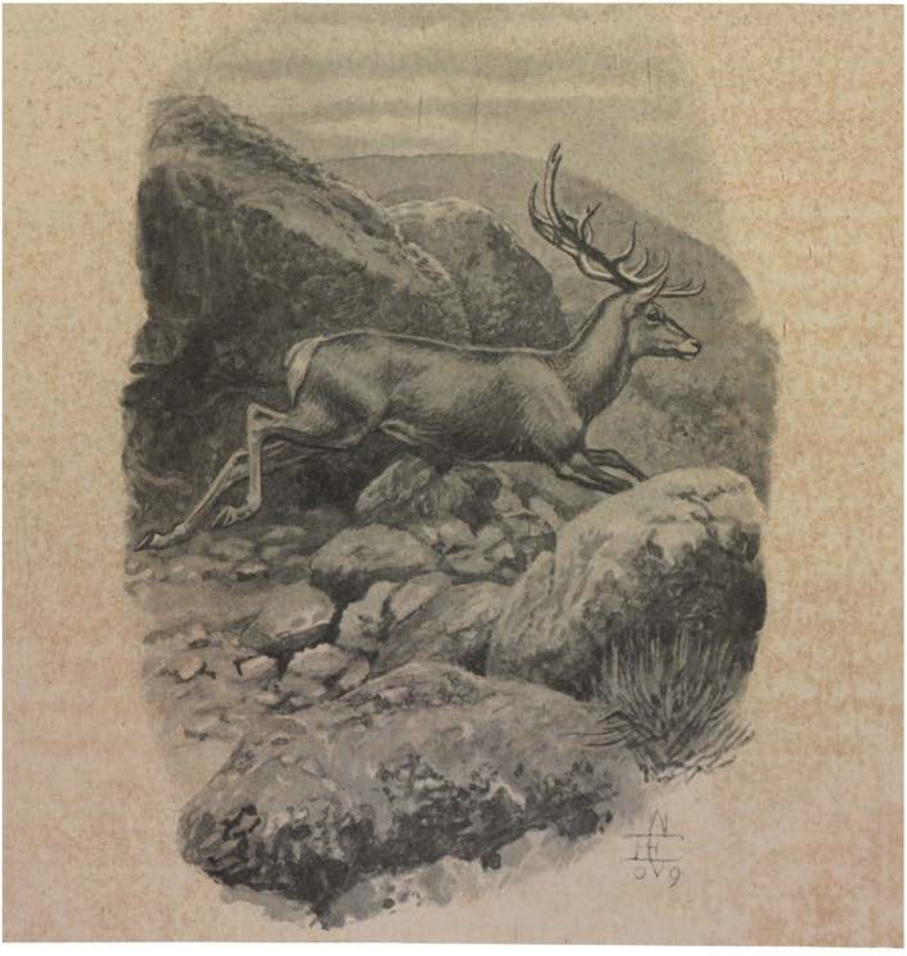


PICKING HIS WAY UP A ROCK STAIRCASE

(A 40-inch head.)

gradually grew denser till the whole sierra was enveloped in viewless fog. Hark! some animal is escalading my fortress; one cannot see fifteen yards—tantalizing indeed. Yet so well has the *puesto* been chosen that presently the intruder gallops almost over my toes—a yearling pig or *lechon*, not worth a bullet.

Later, during a clearer interval, I descried a stag picking a slow and deliberate course down the opposite escarpment. In the abyss below he was long lost to sight but presently reappeared, coming fairly straight in. Seldom have I felt greater



confidence in the alignment than when I then fired. Yet the result was a clean miss. While pressing trigger, another shot rang out half-a-mile beyond and the stag swerved sharply ; still I had another barrel, and the second bullet "told" loudly enough as the hart bounced, full-broadside, over the pass. Then he swerved to take the rising ground beyond and, crossing the skyline, displayed the grandest pair of antlers I have seen alive—

.9,' 2-,/.'>/-+ 73*2' 93-*5' 81.9' .9,1-' =-/*<91*2' .3;5' 5,,:,+'.33' =12',?,*' 43-'.9/.' :/551?,'=3+>

',C/:1/.13*' =733+'8/5'43)*+'/.'3*<,'/*+'3*' =3.9'51+,5' A .9/.'15'.9,'=)77,.'9/+';/55,+'-129'.9-3)29

'.9,'432''9/+')+,-,5.1:/.,+'.9,'+15./*<,'/*+'.9,'91.'8/5' 738'/*+'.33'4/-'=/<0' 1.9'.83'.-/<0,-5''437738,+'.9,'5;33-' 8917,'+/>7129'.5,-?,+'/*+'.9-3)29';7/<,5'.9/.'/*>'83-+5'34':1*,' :)5.'4/17'.3'+,5<-1=,B=).'4-3:'.9,'41-5.'.9,'9,/+0,,;,-'9/+'43-,@ .37+'.9,'-,5)7.V G' 53'*3'5,'<3=-/A?/'7,E35'HAG.9/.'5./2'>3)'8177' *3.'-,<3?,-B 9,' 23,5' 4/-'=).' 89,-,?,-' 9,' 5.3;5' 9,' +1,5' ,' 9,-,X .9,' +325' 9/?,'-)*' 915' 5;33-'/77' /73*2'=).'9/?,'*3.'>,.' =-3)29.'91:'.3'=/>H

9,' 1*+1</.13*5' 7,4.' =>' .9,' 5./2' 3*' =-)59833+'/*+'-3<0' <3*?,>,+'.3' .9,' .-/<0,-5';-/<.15,+',>,5'/5'<7,/-'/5'83-+5'.9,' ;-,<15,';351.13*'34'.9,'83)*+B /*+'/5'43-,.37+'.935,'<3?,.,+' /*.7,-5'8,-,'735.'.3';,-159')5,7,557>

9,';/<0'34'#,I6)1.177/5'8/5'3*'.915'3<</513*'-,1*43-<,+'=>' .935,'34'.9,')0,'34'#,+1*/<,71'/*+'34'.9,'#/-6)15'34'1/*/A' =-1*21*2'.9,'.3./7')';.3'5,?,*.>'93)*+5' 9)5'1*' ;/1*'+3'.9,' $-/*+,,5'34'/'=12'7/*+'89,*'2),5.5'/.'/' '=-1*2'81.9' .9,:'.9,1-'9)*.5:,*'0,**,7:,*'/*+'.9,1-';/<05'34'93)*+5A /' 5>5.,:'.9/.'=-,/.9,5'/'<3:43-.1*2'5,*5,'34'5;/<,

,C.'+/>'=,1*2'93;,7,557>'8,.' '.330'3;;3-.)*1.>'34':,/5)-@ 1*2'.9-,,'34'.9,'.-3;91,5'891<9'/+3-*'.9,'9/77'/.'#,I6)1.177/5'VA

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' ' '	L(	%&]	"[]	5[]	B
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P3,=)<0'		7]	%1]		

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,':)5.'-,<3-+'>,.'3*,':3-,':,:3-/=7,'+/>'3*'.915',5./.,' 34'#,I6)1.177/5' 915' 'R1*'/*)/->'L"L!'<3?,-,+'.9,' -,213*'0*38*'/5'.9,',3*<1773' ;8/-+5'34'.8,*.>'=12'5./25

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; /55,+' .9,' 41-1*2 71*, ' /*+' ,?,->' 2) *' ,*E3>,+' 915' <9/*<, A 5,?,-/7' : 3-,' .9/*' 3*,' *' .9,' -,5)7.' 51C' 5./25' 8,-,' 0177,+A .9-,,' =>' 3)-' 935.' 3*,' =>' 915' 53*' 93)29' </-->1*2' L ' LL' L!' /*+' L!' ;31*.5' -,5;,<.1?,7>' *3*,' 34' .9,5,' 43)-' 8,-,' 34' ,C<,;.13*/7' : ,-1.' /*+' .9,' =,5.' /' L(;31*.,-' 4,77' .3' .9,')0,' 34' # ,+1*/<,71

9,' <7,/*' 8,129.' 34' .9,5,' .9,' 7/-2,5.' 5./25' 15')5)/77>' =,.8,,*' LL[R/*+' L ' /--3=/5' 3-' &'' .3' %!!' 7=5' *27159' *,' ,C<,;.13*/77>' 9,/?>' 5./2' 0177,+' =>' 3)-' 935.' 53*')/*' /7?3')*-' /*+' 8 91<9' 9/+' -,<,1?,+' 53 : ,' 1*E)->' 1*' .9,' ' -,5)7.1*2' 1*' /' : /743-: /.13*' 34' .9, 93-*' 8,129,+' *3' 7,55' .9/*' LQ[R/--3=/5' 3-' (L ' 7=5' *27159

)77 2-38*' 817+ =3/-5' /.' # ,16)1.177/5' /?,-/2,' /=3).' '' /--3=/5' 3-' 6M 7=5' <7,/*A 3*,' 5;,<1/77>' =12' =3/-' -,/<9,+' & /--3=/5' 3-' !!' 7=5' 37?,5' .93)29' /=)*+/*.' /-,' =).' -/-,7>' 593.' 1*' ' 43-' .9,' -,/53*5' /7-,/+>' 21?,*')-1*2' .9,' ;,' $3+' <3?,-,+' =>' .9,5,' *3.,5' 3*7>' .83' 8,-,' 0177,+' 1*' : 3*.,-1/5A 3*,' =>' -' /7?3')*-' .9,' 3.9,-' =>' 373*,7' /--,-/' 17+ ;125' =-,,+' /5' /' -)7,' 1*' #/-<9' /*+' .3' 53 : ,' ,C.,*.' ' 3-' 1*' 71..7,' <373*1,5' 891<9' 15' 5);;35,+' .3' =,' /5' /';-3.,<.13*' /2/1*5.' .9,' 837?,5' .9,' 7/1-' ' =,1*2' /' -,2)7/-' *,5.' : /+,' / : 3*2' .91<0' 5<-)=' /*+' -334,+' 3?,-' =>' .9,' 4371/2,' >*C,5' 710,' 837?,5' /-,' -/-,7>' 5,,*' 915' >,/-' 43)-' D/' 4, : /7,' 81.9' .9-,,' 4)77 2-38*' <)=5' 8,-,' 9,7+);' =>' .9,' +325' /*+' /77' 0177,+' 1*' 3*,' .91<0,.

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3' ' 593.' /.' 7' /:)E/-' 11,*' =>' .9,' #/-6),I' +,' 7?,*.35' .9,' 8937,' 9,/+' :/551?,' /*+' -)22,+' /*+' /77' .9,' 51C.,,*' ;31*.5' 8,77' +,?,73;,+

9,' 3*7>' ;/*159' 5./2' 81.91*' 3)-' 0*387,+2,' 891<9' ,C<,,+5' .9,5,' +1:,*513*5' 8/5' 593.' /.' /77/5.,-35' 1*' .9,' #3*.,5' +,' 37,+3' =>' -' ' ' ' +,' =/--/' .9,' :,/5)-,:,*.5' 34' 891<9' .93)29' *3.' ./0,*' =>' 3)-5,7?,5' 8,' /<<,;.' 81.93).' -,5,-?,' /5' 43773 85VA' ,*2.9' (L' 1*<9,5B' =-,/+.9' %QR' 1*<9,5B' <1-<):4,-,*<,' =,738' <3-3*/' &[' 1*<9,5' D ,' ;93.3

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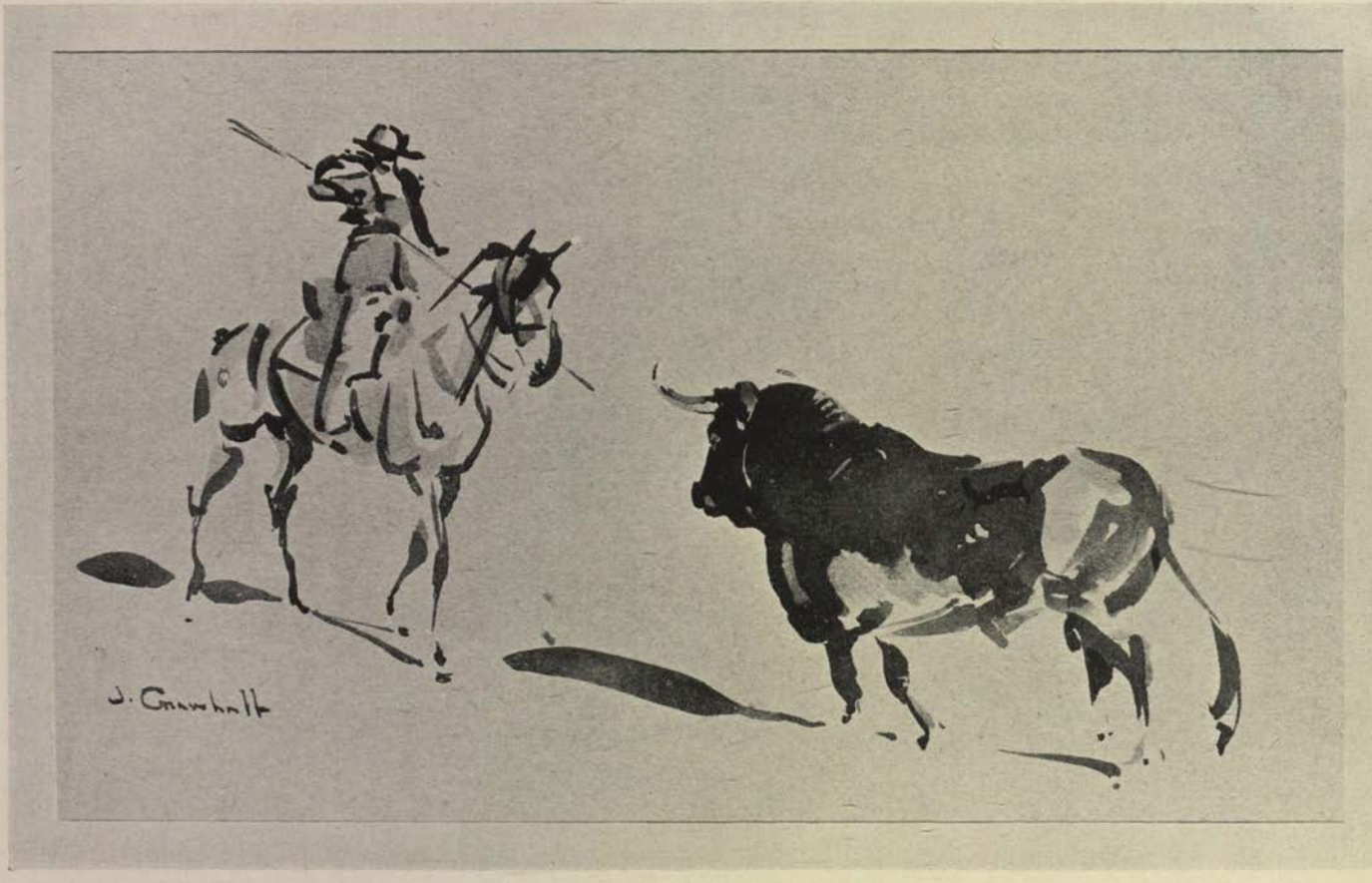
J. Cranhall

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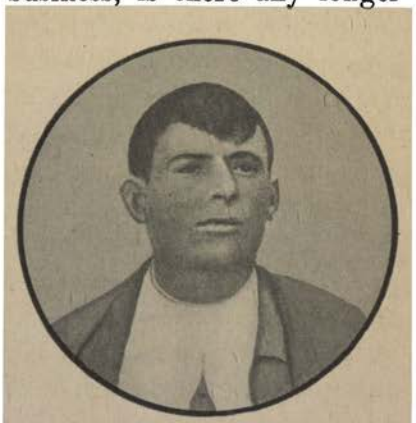
merciless retribution should the least shade of treachery befall —or rather what to the brigand-crew represented treachery. Human life was otherwise safe. Two points in this connection demand mention. Besides direct robberies, the brigands battened upon a tribute exacted from landowners and paid as a ransom to shield themselves and their tenants from molestation. Secondly, their safety and continued immunity from capture was largely due to that secret influence—quite undefinable, yet potent to this day—known as "Caciquismo." That influence was exerted on behalf of the outlaws as part of the ransom arrangement aforesaid.

Neither for robber-chieftains of the first water, such as these, nor for brigandage as a scientific business, is there any longer opportunity in modern Spain, any more than for a Robin Hood at home. Lesser lights of the road, footpads and casual *sequestradores*, will survive for a further space in the wilder region; but the real romance of the industry ceased with the new century.



PERNALES

Its first decade has nevertheless produced a brace of first-rate ruffians who, though in no sense to be compared with the old-time aristocracy of the craft, at least succeeded in setting at naught the civil power, and in pillaging and harassing rural Andalucia during more than two years.

The original pair were known as Pernáles and El Vivillo, the latter a man of superior instincts and education, who, under former conditions, would doubtless have developed into the noble bandit. Vivillo on principle avoided bloodshed; not a single assassination is laid to his charge during a long career of crime. Pernales, on the contrary, revelled in revolting cruelties, and rated human life no higher than that of a rabbit. At first this repulsive ruffian, as hateful of aspect as of character,[1] acted as

[1] Pernales was born at Estepa, province of Sevilla, September 3, 1878, a ne'er-do-weel son of honest, rural parents. By 1906 he had become notorious as a determined criminal. His appearance and Machiavellian instincts were interpreted as indicating great personal courage, and, united with his physique, combined to present a repulsive and menacing figure. A huge head set on broad chest and shoulders, with red hair and deep-set blue eyes, a livid freckled complexion, thin eyebrows, and one long tusk always visible, protruding from a horrid mouth, made up a sufficiently characteristic ensemble.

/ʻ 53-.ʻ 34ʻ 71,).,*/*.ʻ .3ʻ 1?1773ʻ =).ʻ .9,ʻ ;/-.*,-591;ʻ 8/5ʻ 533*ʻ -,*3)*<,+ʻ =>ʻ .9,ʻ 7/..,-ʻ <3*5,6),*.ʻ 3*ʻ /ʻ <38/-+7>ʻ <-1:,ʻ ;,-;,.-/.,+ʻ =>ʻ ,:/7,5ʻ 1*ʻ .9,ʻ 1,--/ʻ 34ʻ 72/:1./ʻ .ʻ /ʻ 73*,7>ʻ 4/-:ʻ 71?,+ʻ /*ʻ ,7+,-7>ʻ <3);7,ʻ .9,ʻ 9)5=/*+ʻ /*ʻ 1*+)5.-13)5ʻ .9-14.>ʻ :/*ʻ 893ʻ 9/+ʻ .9,ʻ -,;)./.13*ʻ 34ʻ =,1*2ʻ -1<9ʻ /:3*2ʻ =15ʻ 4,77385ʻ 9,1-ʻ 83-7+7>ʻ ;355,5513*5ʻ 1*ʻ /<.)/7ʻ 4/<.ʻ <3*515.,+ʻ 34ʻ 53:,ʻ !!!ʻ -,/7,5ʻ dʻ i !ʻ ,:/7,5ʻ 8/5ʻ *3.ʻ 710,7>ʻ .3ʻ 3?,-7330ʻ /ʻ 93/-+ʻ 53ʻ 177 ;-3.,<.,+ʻ /*+ʻ 3*,ʻ *129.ʻ 1*ʻ 3?,:=,-ʻ L"!Qʻ 1*515.,+ʻ /.ʻ .9,ʻ :)117,ʻ 34ʻ 915ʻ 2)*ʻ 31Eʻ .9,ʻ 5/?1*25ʻ =,1*2ʻ 9/*+,+ʻ 3?,-ʻ .3ʻ 91:ʻ ʻ 7/+ʻ 34ʻ 43)-.,,*ʻ 938,?,-ʻ 9/+ʻ 81.*,55,+ʻ .9,ʻ .-/*5/<.13*ʻ /*+ʻ 3*ʻ ;,-<,1?1*2ʻ 91:ʻ D/*+ʻ 4,/-1*2ʻ 9,ʻ :129.ʻ .9)5ʻ =,ʻ +,*3)*<,+ʻ ,:/7,5ʻ ;7)*2,+ʻ 915ʻ 0*14,ʻ 1*ʻ .9,ʻ =3>5ʻ =-,/5.ʻ 01771*2ʻ 91:ʻ 3*ʻ .9,ʻ 5;3.ʻ 1?1773ʻ 3*ʻ 9,/-1*2ʻ 34ʻ .915ʻ 1*5,*5/.,ʻ :)-+,-ʻ =>ʻ 915ʻ 5,<3*+ʻ 1*515.,+ʻ 3*ʻ .9,ʻ -,5.1.).13*ʻ 34ʻ .9,1-ʻ :3*,>ʻ .3ʻ .9,ʻ /2,+ʻ ;/1-ʻ ,C;,77,+ʻ ,:/7,5ʻ 4-3ʻ 915ʻ 2/*2ʻ /*+ʻ .9-,/.,*,+ʻ 91:ʻ 81.9ʻ +,/.9ʻ 593)7+ʻ 9,ʻ +/-,ʻ /2/1*ʻ .3ʻ <-355ʻ 915ʻ ;/.9

,:/7,5ʻ *38ʻ 43-:,+ʻ /ʻ 4-,59ʻ ;/-.*,-591;ʻ 81.9ʻ /ʻ +,5;,-/+3ʻ 34ʻ 51:17/-ʻ </71=-,ʻ .3ʻ 91:5,74ʻ /ʻ 53)77,55ʻ =-).,ʻ 0*38*ʻ /5ʻ .9,ʻ 1*3ʻ +,ʻ -/9+7ʻ 8935,ʻ /<6)/1*./*<,ʻ 9,ʻ 9/+ʻ :/+,ʻ /.ʻ /ʻ ?177/2,ʻ 34ʻ .9/.ʻ */:,ʻ 915ʻ ;/1-ʻ /73*2ʻ 81.9ʻ /ʻ 2/*2ʻ 34ʻ -)441/*5ʻ 893ʻ /<<7/1:,+ʻ .9,:ʻ /5ʻ <91,45ʻ 8,-,ʻ +,5.1*,+ʻ .3ʻ /<91,?,ʻ 53:,ʻ 34ʻ .9,ʻ 83-5.ʻ +,,+5ʻ 34ʻ ?137,*<,ʻ 1*ʻ .9,ʻ 8937,ʻ /**/75ʻ ;4ʻ ;/*159ʻ L ʻ 3-ʻ .83ʻ >,/-5ʻ .9,>ʻ 9,7+ʻ 9/74ʻ *+/7)<1/ʻ 1*ʻ /8,ʻ .,--3-15,+ʻ =>ʻ .9,ʻ 4,-3<1.>ʻ 34ʻ .9,1-ʻ :,.93+5ʻ /*+ʻ :,-<17,55ʻ +15-,2/-+ʻ 34ʻ 714,ʻ 3*,ʻ +/-,+ʻ +,*3)*<,ʻ .9,:ʻ 3-ʻ 1:;/-.ʻ .3ʻ /).93-1.>ʻ /ʻ 83-+ʻ 34ʻ 1*43-:/.13*ʻ /5ʻ .3ʻ .9,1-ʻ 89,-,/=3).5ʻ ,?,*ʻ .93)29ʻ 1.ʻ 8,-,ʻ 0*38*ʻ 43-ʻ <,-./1*ʻ A5)<9ʻ /5ʻ .9,ʻ +-,/+ʻ 34ʻ ?,*2,/*<,

**):,-/=7,ʻ 8,-,ʻ .9,ʻ 501-:159,5ʻ =,.8,,*ʻ .9,ʻ 43-<,5ʻ 34ʻ .9,ʻ 7/8ʻ /*+ʻ 1.5ʻ 3).-/2,-5ʻ *ʻ 177)5.-/.1?,ʻ 1*<1+,*.ʻ 3<<)--,+ʻ 1*ʻ #/-<9ʻ L"!'ʻ ʻ ;/1-ʻ 34ʻ D71?17ʻ $)/-+5ʻ -1+1*2ʻ);ʻ .9,ʻ 13ʻ +,ʻ 735ʻ 7:,*+-35ʻ +15.-1<.ʻ 34ʻ -)*/ʻ 5)++,*7>ʻ /*+ʻ =>ʻ :,-,ʻ <9/*<,ʻ 43)*+ʻ .9,:5,7?,5ʻ 4/<,ʻ .3ʻ 4/<,ʻ 81.9ʻ .9,ʻ :,*ʻ .9,>ʻ Gʻ 8/*.,+Hʻ ʻ <9/77,*2,ʻ .3ʻ 9/7.ʻ /*+ʻ 5)--,*+,-ʻ 8/5ʻ /*58,-,+ʻ =>ʻ 1*5./*.ʻ 41-,ʻ /*+ʻ .9,ʻ 3).7/85ʻ 89,,71*2ʻ /=3).ʻ <7/;;,+ʻ 5;)-5ʻ .3ʻ .9,1-ʻ 93-5,5ʻ /*+ʻ 47,+ʻ 38ʻ 43-ʻ .9,ʻ 1?17ʻ $)/-+5ʻ /5ʻ =-/?,ʻ :,*ʻ /*+ʻ +).14)7ʻ 8,ʻ 9/?,ʻ .9,ʻ).:35.ʻ -,5;,<.B =).ʻ .9,1-ʻ :/-05:/*591;ʻ 3*ʻ .915ʻ 3<</513*ʻ ;-3?,+ʻ)..,-7>ʻ -3..,*ʻ /*+ʻ /*ʻ ,/5>ʻ -129./*+7,4.ʻ 8/5ʻ <7,/*ʻ :155,+ʻ .81<,ʻ /*+ʻ .9-1<,ʻ 3?,-ʻ X 9,ʻ 4)21.1?,5ʻ :3-,3?,-ʻ 3).-3+,ʻ ;)-5)1.ʻ /*+ʻ .9,ʻ 4/<.ʻ 177)5.-/.,5ʻ .9,1-ʻ <337ʻ </7<)7/.1*2ʻ *3*<9/7/*<,ʻ .9/.ʻ 53ʻ 533*ʻ /5ʻ .9,>ʻ -,<03*,+ʻ 3*ʻ 9/?1*2ʻ 2/1*,+ʻ /ʻ 43-.> 41?,ʻ :1*).,5

/+?/*./2,' .9,' ;/1-' ;/1+' /' 6)1,.' 53<1/7' </77' 3*' /' 8,77 .3 +3' 4/-:,-' 34' #3-+*' ,*E3>,+' /' 27/55' 34' 81*,' 81.9' .9,1-'.-,:=71*2' 935.' /*+' .9,*' D9/?1*2' 53:,' 414.,,*' :1*).,5' 1*' 9/*+' -3+,' 43-8/-+' 38' <3:,5' /';31*.' *' /--1?/7' 34' .9,' ;=-5),-5' .9/.' 4/-:,-' D.93)29' *3.' /' 83-+' 9/+' =,,*' 5/1+' +,*1,+' /77' 0*387,+2,' 34' 915' *,8 23*,' 2),5.5')-5)1.' 8/5' /=/*+3*,+

3-' ,129.' +/>5' .9,' =/*+1.5' 7/>' 738' 9,*' ,:/7,5';-,5,*.,+' 91:5,74' /.' /' 4/-:' 1*' <1E/' 81.9' /' +,:/*+' 43-' i(!' 3-' 1*' +,4/)7.' .9,' +,5.-)<.13*' 34' .9,' 71?,5.3<0' 9,' =/17144' D*3' 4/-:,-' 71?,5' 3*' 915' 4/-:' +,5;/.<9,+' /' :,55,*2,-' 3*' 915' 47,,.,5.' 93-5,' .3' =-1*2' 1*' .9,' -/*53:' 5' =>' .9,' 5.1;)7/.,+' 93)-' 9,' 9/+' *3.' -,.)-*,+' ,:/7,5' 593.' ,129.' ?/7)/=7,' :)7,5% 1+1*2' .9,*<,' .3' /' 3-3*,7/' /' 4/-:' =,73*21*2' .3' *.3*13'),*.,5' .9,' =)77 4129.,-' /' 51:17/-' :,55/2,' 8/5' +,5;/.<9,+' ,*+1*2' 1.5' -,;7>' 3)-' 3).7/85' 4,/5.,+' 3*' .9,' =,5.B =).' 1*5.,/+' 34' =/*0 *3.,5' /' 43-<,' 34' 1?17' $)/-+5' /;;,/-,+' 3*' .9,' 5<,*,' 9/.' :/+,' *3' +144,-,*<,' 9,' .,--141,+' 4/-:9/*+5' 583-,' .9/.' .9,' =/*+1.5' 9/+' -1++,*' 344' 1*' /' 21?,*' +1-,<.13*' /*+' 8917,' .9,' :157,+' ;371<,' 9)--1,+' /8/>' 3*' /' 817+ 2335,' <9/5,' 3)-' 9,-3,5' 41*159,+' .9,1-' 4,/5.' /*+' 7/.,' /.' *129.' D9/?1*2' 73/+,+');' ,?,->.91*2';3-./=7,' 34' ?/7),' +,;/-.,+' 43-' .9,1-' 7/1-' 1*' .9,' 51,--/

)-1*2' .9,' *,C.' .83' :3*.95' D#/>' /*+')*,' L"!'' 3*7>' :1*3-' 3).-/2,5' /*+' -3==,-1,5' 8,-,' <3:1..,+'=).' .9/.' 6)1,5<,*<,' 8/5',*71?,*,+'=>' .83' 4,/.5' .9/.' 5,.' 3).' 1*' -,71,4' .9,' <337*,55' /*+')*471*<91*2' <3)-/2,' 34' .9,5,' +,5;,-/+35' *' #/>' .9,>' :3?,+' .3' .9,' *,129=3)-933+' 34' 3-+3=/' /*+' /:3*2' 3.9,-' -/1+5' ;)77,+' 344' /' 233+' 9/)7' 1*' =/*0 *3.,5' </59' /*+' 3.9,-' ?/7)/=7,5' /.')<,*/' /*,5./.,' 34' ' *.3*13' #35<353' 43773 81*2' .915');' =>' /' -,;3-.' 1*' .9,1-' G' *5;1-,+' -,55' H' .9/.' .9,' =-12/*+5' 9/+' /.' 7/5.' 47,+' *3-.9@ 8/-+5' 81.9' .9,' ?1,8' 34' ,:=/-01*2' 43-' /=-3/+' /.' /*./*+,-% ' 4,8' +/>5' 7/.,-' 938,?,-' D#/>' %L' .9,>' 9/+' .9,' ,44-3*.,->' .3' /;;,/-' 1*' +-+3=/' 1.5,74' /.' .9,' 3;,*1*2' 34' .9,' /1-' =),' =,1*2' ,/-7>' -,<32*15,+' ;-3:;.7>' -3+,' 344' 1*.3' .9,' 1:;,*+1*2' 1,--/ #3-R*/' *' .9,1-' 9,,75' 437738,+' .9,' 1?17' $)/-+' 1*+1*2' .9,:5,7?,5' 3?,-./0,*')-' 4-1,*+5' 4/<,+' -3)*+' /*+' 3;,*,+' 41-,' =).' .9,' -,5)7.' 8/5' /' +,4,/.' 34' .9,' =/*+1.' 2/*2' *,' G' 7' 1*3' +,' 7/' $73-1/ H' 4,77' +,/+';1,-<,+'=>' .9-,,'=)77,.5' B .83' 3.9,-' 5<3)*+-,75A' ,?,-.,' /*+' ,;1*3A 8,-,' </;.)-,+' 83)*+,+' 8917,' 1*' .9,' :$R,' .9,' -3==,-5' /=/*+3*,+' 43)-' 93-5,5' /' -147,' /*+' /' 6)/*.1.>' 34' E,8,7->A .9,' ;-3+)<.' 34' -,<,*.' -/1+5' ,:/7,5' 91:5,74' /*+' .9,

-,5.' 34' 915' <-,8' ,5</;,+' /*+' 43)*+' 59,7.,-' 1*' .9,' 4/5.*,55,5' 34' .9,' 1,--/' #3-,*/A .9,*<,' -,.)-*1*2' .3' .9,1-' 4/?3)-1.,' 9)*.1*2' 2-3)*+5' *,/-,-' ,?177,

1+1*2' /73*2' .9,' =>, 8/>5' 34' #/-<9,*/' +152)15,+' /5' -)5.1<' .-/?,77,-5' 3*')*,' ' .9,>'+,:/*+,+' /.' /' -,:3.,' 4/-:' /' *129.5' 433+' /*+' 73+21*2' /74 <3*<,/7,+' 0*1?,5' /*+' -,?37?,-5' ;-3?,+' 5.-3*2' /-2):,*.5' 1*' 4/?3)-' 34' 3=,+1,*<,' /*+',5;1.,' 5)5;1<13*' /*+' +15710,' .9,' =/17144' /<<,+,+' 915' .1:,' .9,' 1?17' $)/-+' 8,-,' 3*' .9,' .-/<0' .' :1+*129.' .9,>' 517,*.7>' 5)--3)*+,+' .9,' 93)5,' <3::)*1</.,+' 81.9' .9,' 8/.<94)7' =/17144' /*+' 3-+,-,+' /77' +33-5' .3' =,' 73<0,+' 9,' .)-*1*2' 34' /' 9,/?>' 0,>' 938,?,-' -,/<9,+',:/7,5',/-' *' /' :3:,*.' .9,' :15<-,/*.5' 8,-,' 3*' .9,' /7,-.' 917,' 3*,' 5/++7,+);' .9,' 93-5,5' .9,' 3.9,-')*7335,+' /' >3)*2' 4/-:' :)7,' =37+7>' 7,+' 91:' /<-355' .9,' <3)-.>/-+' .3' .9,' 3*,' 3;,*'+33-8/>' /*+' /+:1*15.,-1*2' 53:,' 9,/-.>' 7/59,5' .3' .9,' /*1:/75' -1=5' 5,.' 91:' 344' 1*' 4)77' 2/773;' 1*.3' .9,' 3).,-' +/-0*,55' 9,' ;371<,' 5,,1*2' 89/.' .9,>'<3*<7)+,+' 8/5' /*' /..,:;.,+' ,5</;,' 41-5.' 3;,*,+' 41-,' .9,*' 5./-.,+' 9,7.,-50,7.,-' 1*' ;)-5)1.' 34' /' -1+,-7,55' :)7,' ' 9,' -3==,-5' :,/*8917,' -3+,' /8/>' /.' 7,15)-,

1?,' +/>5' 7/.,-' 3*')*,' ' =3.9' =/*+1.5' /../<0,+' /' 3-' <3)*.->' 1**',/-' 35' /*.35' 1*' 177/4-/*</' +,' 735' /--135' </-->1*2' 344' ¡ ! !' 1*' </59' 51C' :)7,5' 81.9' 3.9,-'?/7)/=7,5' /*+' 7,/?1*2' .9,' 38*,-' 43-' +,/+' 915' ;/-.1<)7/-' <-1:,' 43-' 53:,' -,/53*' 3-' 3.9,-' 8/5' :3-,' *315,+' /=-3/+' .9/*' +31,*5' 34' 3.9,-5' ,6)/77>' /.-3<13)5' /*+' 3-+,-5' 8,-,' *38' 155),+' E31*.7>' =3.9' =>' .9,' @ ' # ' .9,' /;./1* $,*,-/7' 34' .9,' +15.-1<.' /*+' .9,' 373*,75' <3::/*+1*2' .9,' 1?17' $)/-+' .9-3)293).' .9,' 8937,' 34' .9,' 9/-/55,+' -,213*5' .9/.' /.' /77' 9/I/-+5' .9,' :)-+,-3)5' ;/1-' :)5.' =,' ./0,*' /.' 3*<,' +,/+' 3-' /71?,' 915' ;,-,:;.3->' :/*+/.,' ,?37?,+')*)5)/7' /<.1?1.1,58' .9,' 8937,' 34' .9,' 8,5.,-*' 51,--/' 8/5' -,;3-.,+' =13<0/+,+' ,:/7,5' *,?,-.9,7,55' -,<,1?1*2' 8/-*1*2' .9-3)29' 1**):,-/=7,' 5;1,5' 34' .9,' ;371<,' ;7/*5' 5)<<,,+,+' 1*' ,5</;1*2' 4-3:' .9,' ;-3?1*<,' 34' ,?177,' 1*.3' .9/.' 34' +-+3=/' 89,-,' .9,' ;/1-' ;)-5),+' .9,1-' </-,,-' 34' <-1:,' .93)29' *38')*+,-' <3*+1.13*5' 34' 1*<-,/5,+' 9/I/-+' /*+' +1441<)7.>' 3:,.1:,5' 43-' +/>5' .32,.9,-' .9,>' 7/>' 738' 3-' <3*.,*.,+' .9,:5,7?,5' 8+.9' ;,..>' 4,73*1,5

9,*' 5)++,*7>' 1*' /' *,8' +15.-1<.A .9/.' 34'),*.,$,*17A' =)-5.' 3).' /' 4-,59' 5,-1,5' 34' .9,' :35.' /)+/<13)5' 3)./2,5' 12' 5):5' 34' :3*,>' 81.9' /7.,-*/.1?,' 34' 1*5./*.' +,/.9' 8,-,' ,C.3-.,+

4-3 : 4/ - : ,-5 /*+ 7/*+38*,-5 9,5, ,C;731.5 .32,.9,- 81.9 /* 3++ :)-+,- 3- .83 5;-,/+ <3*5.,-*/.13** .9-3)293). .9, *,8 /-,/ /*+ 1* /77),*., $,*17 , : /7,5 /*+.9, 1*3 +, -/9/7 =,</ : , /5./*+1*2 *129. : /-, 3 533* /5 <9,<0,+ 9,-, => .9, ;371<, .9, -3==,-5 3*<, : 3-, : 3 ,+ 8,5. /2/1* G 1*5;1-1*2 H .9, ;-,55 81.9 -,;3-.5 34 / 43-,12* +,5.1*/.13*A .915 .1 : , ++1I 4,8 +/>5 7/.,- # /7/2/ 8/5 */ : ,+ /5 .9,1- 1*.,*+,+ ,C1. , .3*) 7> LQ .9,> 8,-, .3 .9, *3-.9 34 ,?177, /*+ 9/+ /*3.9,- -147, +),7 81.9 .9, $)/-+5 /2/1* ,5</;1*2 5</.9,7,55 /. / 2/773;

,-5,<).13* 8/5 *38 53 0,,* .9/. .9, 817+5 34 .9, 1,--/ #3-,*/ /41=-+,+ .9,1- 3*7> ;3551=7, 93;, /*+ => 937+1*2 .9, 9129,5. ;/55,5 .9, 3).7/85 -,/<9,+.915 -,4)2, =,1*2 *,C. -,;3-.,+ /. ,*./ +, /-+,*/5 LQ! : 17,5 *3-.9 34 +-+3=/ <3-+3* 34 ;371<, 8/5 *38 +-/8* /73*2 .9, 8937, 4-1*2, 34 .9, 51,--/ 4-3 : 1I<3 +,7 #/-6),I .3 ,5;,41/;,--35 9, ;351.13* 34 .9, 9)*.,+ <3);7, =,</ : , +/17> : 3-, ;-,</-13)5 .9,1- 5<3;, 34 /<.1?1.> : 3-, -,5.-1<.,+ /*+ -3==,-1,5 -,+)<,+ .3 1*512*141</*. ;-3;3-.13*5 ,?,-.9,7,55 3*)7> 81.9 <3*5) : : /., /)+/<1.> /*+ +/59 .9,> -/1+,+.9, 4/- : 34 ,<,*/ =,73*21*2 .3 3 : /5 ,--,-/ </-->1*2 344 /5) : 34 iLQ! 81.9 891<9 .9,> -, : /1*,+ <3*.,*. .177)2)5. L& 89,* .9,> /../<0,+ .9, .83 4/- : 5 34 ,*<,57/ /*+ 35 177/-,5 =). =,1*2 -,;)75,+ 47,+ *3-.98/-+5 .38/-+5 1)+/+ ,/7 *, ;., : =,- L .9,> ,*.,-,+ .9, ;-3?1*<, 34 / # /*<9/ /;;/-,*.7> 5,,01*2 59,7.,- 1* .9, +,,;+,417,5 34 .9, 1,--/ +, 7</-+I 43- .9/. : 3-*1*2 / # /*<9,2/* 833+@ <)..,- 8/5 /<<35.,+ => .83 : 3)*.,+ 8/>4/-,-5 893 1*6)1-,+ .9, =,5. .-/<0 .3 7</-/I 9, 833+ : /* 1**3<,*.7> 2/?, +1-,<.13*5 891<9 14 ,C/<.7> 437738,+ 83)7+ :)<9 593-.,* .9, -3).,, 917, .9/*01*2 915 1*43-: /*. ,-*/7,5A /;;/-,*.7> 3). 34 59,,- =-/?/+3A -,?,/7,+ 915 1+,*.1.> 1*.-3+)<1*2 91 : 5,74 .3 .9, /5.3*159,+ 833+<)..,- /5 .9,)-> 893 8/5 0,,;1*2 /77 /).93-1.>3* .9, E) : ; /*+.9, <3)*.-> 51+, /=7/I, .-/129.8/> .9, : /* 34 .9, /C, : /+, 43- .9, *,/-,5.2)/-+5./.13* /*+ / </;./1* 81.9 51C : 3)*.,+ ;371<, -,1*43-<,+ => ;./5/*.5 437738,+ .9, .-/17 5+)50 4,77 .9, ;)-5),-5 ;,-<,1?,+.83 93-5,5 .,.9,-,+ 1* /+,*5,7> 833+,+ +,77 8917, 9/-+ => .9,1- 38*,-5 5/. ,/.1*2 /*+ +-1*01*2A .9, 7/..,-1 : ;-)+,*<, ;,-9/;5 ,C;7/1*1*2 89> .9, =-12/*+5 8,-, /. 7/5. </)29. */;;1*2 3 .9, <9/77,*2, G 7.3 + 7/ $)/-+1/ 1?17XH </ : , .9,)5)/7 ;-3 : ;. -,5;3*5, A .9,

)7 ' □# $%& ' (%!)#

8%#5$& 7 %! '("6 5% '(2#$''! (3$'(! 3$&$9() " (3, 4 (
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7" 3"5(" 9 %3!('6 % (4(! "") (5(+ $&) 7$! # !4
5(+ $59%&9 %! 7($,"& 7 (&6 5 (5 ! "! #5" 9 %3 " ($5
& !((%&9 %! + %(6 9")"7& (%&")(5$ $!,5$&9 " (
!$))'(# (",,"!%&9 5%6'(! 7(5(%! %3("' 3$&4 $&) "'
&($5 (#$&)% 6$ $'4 7" &)() 7$! ,% + () " ($5 %&
)($ 2 5"(! 7 %'((,""5 #($! ! 3#'() $&) 6(" %& % ! ! 5%)(
$ 6(7 ,$+(! #(4"&) &(*$3%&$ %"& "6 (#")%(! ! "7() $
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$53() 6"5+(+"3,((& '"4$' $&) :((& " (&6"5+("!('$7!
% " $!!%! $& ! $&) $++"3,'%+(! L+$' (%5 $%)(5! $&) $#("5!
7 $ 4" 7%''M ((3$'(! $&) %8%''"! "6 "2)$4 +" ') &"
! 58%8(6"5 $ 7((: ((*,'$&$ %"& '%(! %& ((*%! (&+("6 $
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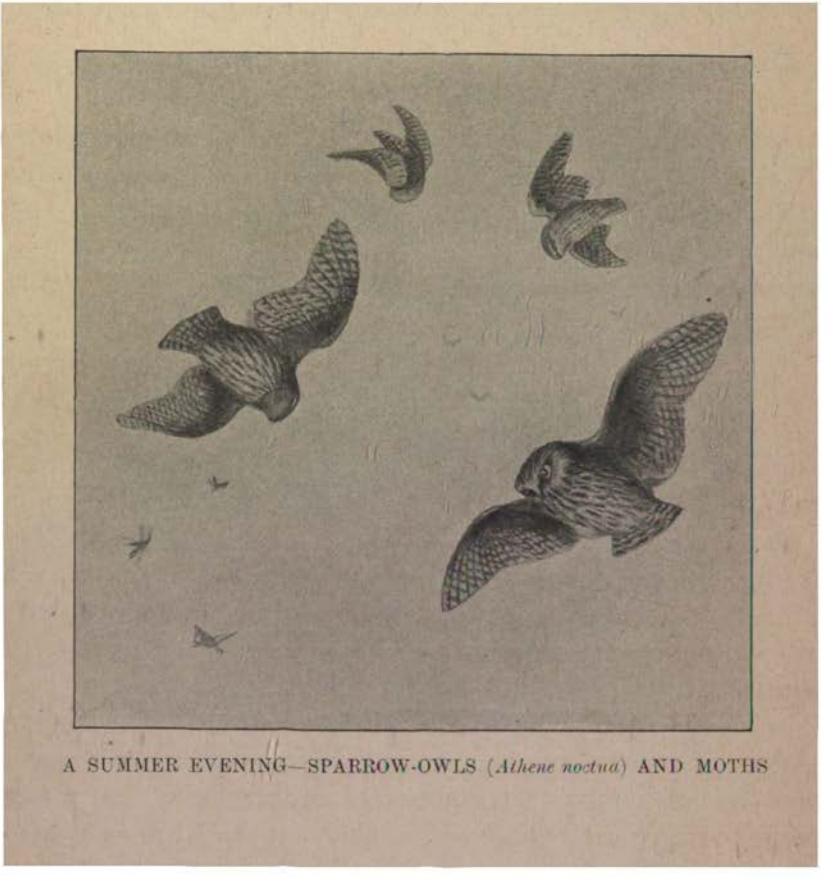
and Vivillo was brought back, landing at Cádiz February 19, 1908. Since that date he has lived in Seville prison—a man of high intelligence, of reputed wealth, and the father of two pretty daughters. For reasons unexplained (and into which we do not inquire) his trial never comes on. Vivillo keeps a stiff lip and enjoys . . . nearly all he wants.



A SUMMER EVENING—SPARROW-OWLS (*Athene noctua*) AND MOTHS

CHAPTER XVII

LA MANCHA

THE LAGOONS OF DAIMIEL

IMMEDIATELY to the north of our "Home-Province" of Andalucia, but separated therefrom by the Sierra Moréna, stretch away the uplands of La Mancha—the country of Don Quixote. The north-bound traveller, ascending through the rock-gorges of Despeñaperros, thereat quits the mountains and enters on the Manchegan plateau. A more dreary waste, ugly and desolate, can scarce be imagined. Were testimony wanting to the compelling genius of Cervantes, in very truth La Mancha itself would yield it.

Yet it is wrong to describe La Mancha as barren. Rather its central highlands present a monotony of endless uninteresting cultivation. League-long furrows traverse the landscape, running in parallel lines to utmost horizon, or weary the eye by radiating from the focal point as spokes in a wheel. But never a break or a bush relieves one's sight, never a hedge or a hill, not a pool, stream, or tree in a long day's journey. Oh, it is distressing, wherever seen—in Old World or New—that everlasting cultivation on the flat. True, it produces the necessary fruits of the earth—here (to wit) corn and wine.

Farther north, where the Toledan mountains loom blue over the western horizon, La Mancha refuses to produce anything.

The unsympathetic earth, for 100 miles a sterile hungry crust, stony and sun-scorched, obtrudes an almost hideous nakedness, its dry bones declining to be clad, save in flints or fragments of lava and splintered granite. Wherever nature is a trifle less austere, a low growth of dwarf broom and helianthemum at least serves to vary the dreariness of dry prairie-grass. There, beneath the foothills of the wild Montes de Toledo, stretch whole regions where thorn-scrub and broken belts of open wood vividly recall the scenery of equatorial Africa—we might be traversing the "Athi Plains" instead of European

WOODCHAT SHRIKE AND ITS "SHAMBLES"
(Sketched in La Mancha)

lands. Evergreen oak and wild-olive replace mimosa and thorny acacia—one almost expects to see the towering heads of giraffes projecting above the grey-green bush. In both cases there is driven home that living sense of arid sterility, the same sense of desolation—nay, here even more so—since there is lacking that wondrous wild fauna of the other. No troops of graceful gazelles bound aside before one's approach; no herds of zebra or antelope adorn the farther veld; no galloping files of shaggy gnus spurn the plain. A chance covey of redlegs, a hoopoe or two, the desert-loving wheatears—birds whose presence ever attests sterility—a company of azure-winged magpies chattering among the stunted ilex, or a woodchat—that is all one may see in a long day's ride.

Another feature common to both lands—and one abhorrent to northern eye—is the absence of water, stagnant or current.

Never the glint of lake or lagoon, far less the joyous murmur of rippling burn, rejoice eye or ear in La Mancha.

Alas, that to us is denied the synthetic sense! In vain we scan Manchegan thicket for compensating beauties, for the Naiads and Dryads with which Cervantes' creative spirit peopled the wilderness; no vision of lovely Dorotheas laving ivory limbs of exquisite mould in sylvan fountain rewards our searching (but too prosaic) gaze—that may perhaps be explained by the contemporary absence of any such fountains. Nor have other lost or love-lorn maidens, Lucindas or Altisidoras from enchanted castle, aided us to add one element of romance to purely faunal studies. Castles, it is true, adorn the heights or crown a distant skyline; nor are Dulcineas of Toboso extinct or even infrequent. Of precisely her type was our handmaiden in the *posada* at Daimiel, while excellent specimens graced the twilight *paséo* of Ciudad Real or reclined beneath the orange-groves of its *alameda*.

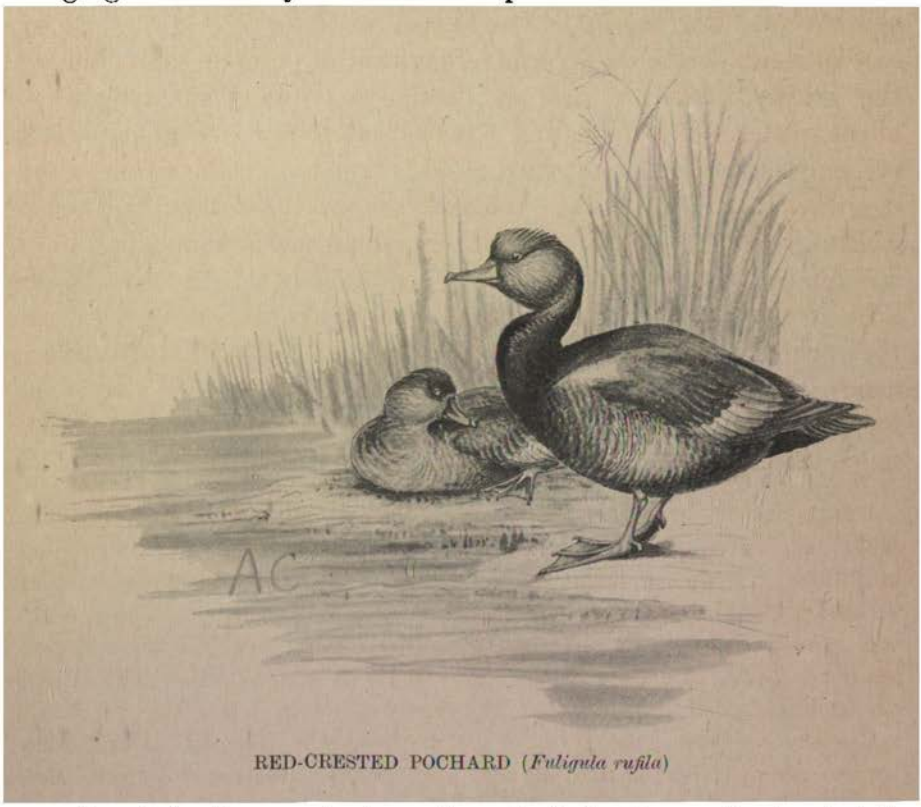
DESERT-LOVING WHEATEARS

We have animadverted upon the absence of water in La Mancha. Yet there is no rule but has its exception, and it is, in fact, to the existence of a series of most singular Manchegan lagoons, abounding in bird-life, that this venturesome literary excursion owes its genesis.

In the midst of tawny table-lands, well-nigh 200 miles from the sea and upwards of 2000 feet above its level, nestle the sequestered Lagunas de Daimiel extending to many miles of mere and marsh-land. These lakes are, in fact, the birthplace of the great river Guadiana, the head-waters being formed by the junction of its nascent streams with its lesser tributary the Ciguela.

In the confluence of the two rivers mentioned it is the Guadiana that chiefly lends its serpentine course to the formation of a vast series of lagoons, with islands and islets, cane-brakes and shallows overgrown by reeds, sedge, and marsh-plants, all traversed in every direction by open channels (called *trochas*), the whole constituting a complication so extensive that none save experienced boatmen can thread a way through its labyrinths.

Isolated thus, a mere speck of water in the midst of the arid table-lands of central Spain, yet these lagoons of Daimiel constitute not only one of the chief wildfowl resorts of Spain, but possibly of all Europe. Upon these waters there occur from time to time every species of aquatic game that is known in this Peninsula, while in autumn the duck-tribe in countless hosts congregate in nearly all their European varieties. Those which



RED-CRESTED POCHARD (*Fuligula rufila*)

are found in the greatest numbers include the mallard, pintail, shoveler, wigeon, gargany, common and marbled teal, ferruginous duck, tufted duck, pochard, and (in great abundance) the red-crested pochard or *Pato colorado*. Coots also frequent the lagoons, but in smaller numbers. There also appear at frequent intervals flamingoes and black geese (*Ganzos negros*), whose species we have not been able to identify, sand-grouse of both kinds, sea-gulls, duck-hawks, grebes, and occasionally some wandering cormorants. Herons and egrets in their different varieties haunt the shores and the shallows.

Lest any far-venturing fowler be induced by this chapter

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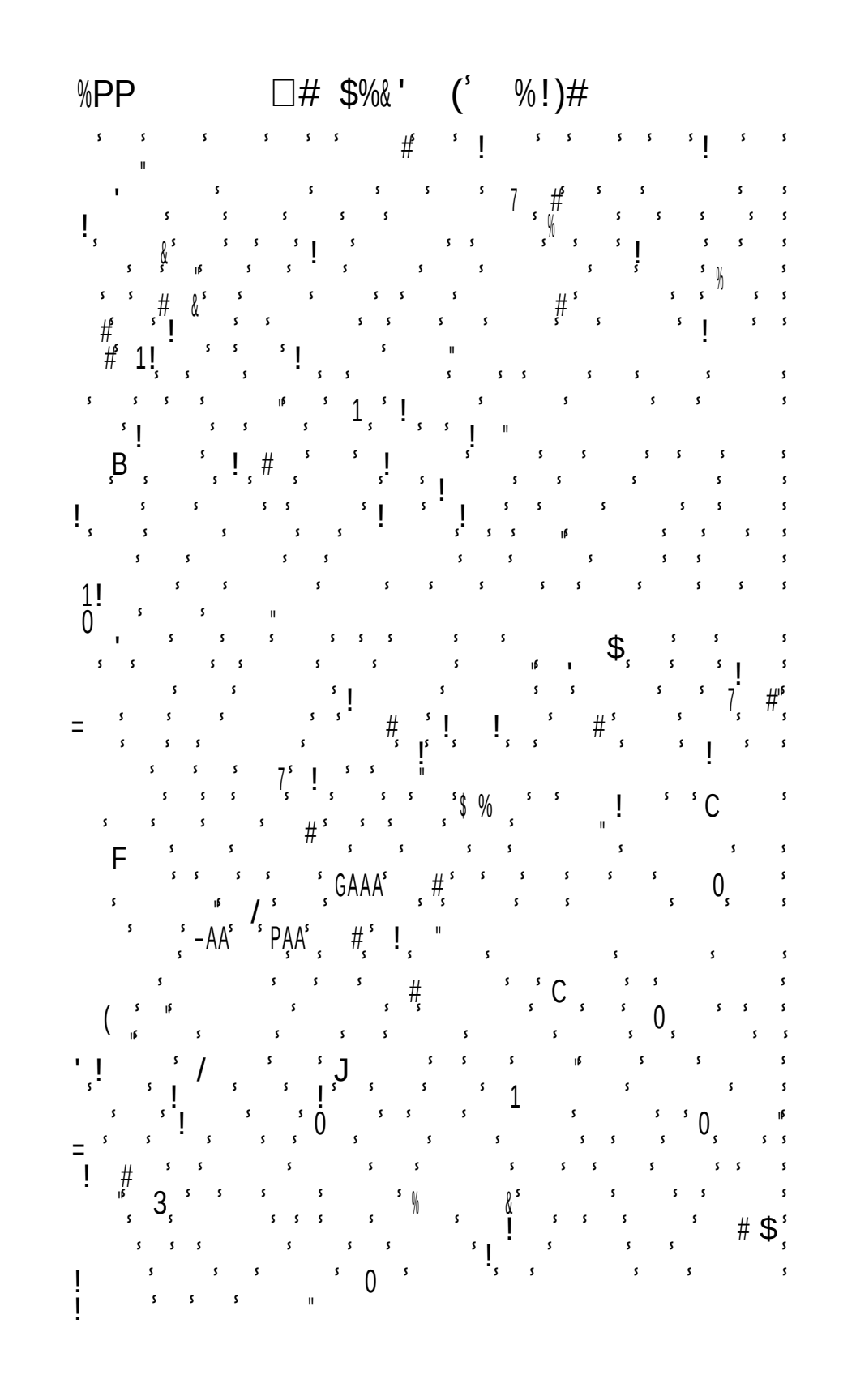

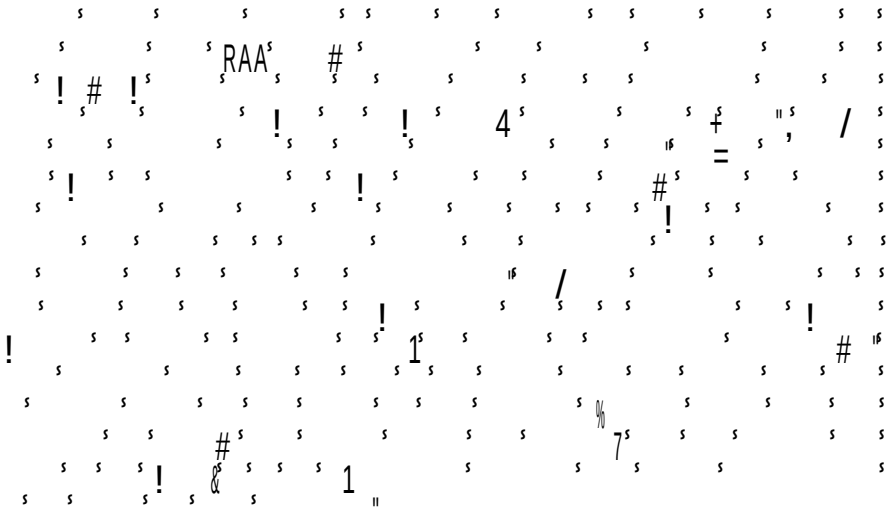

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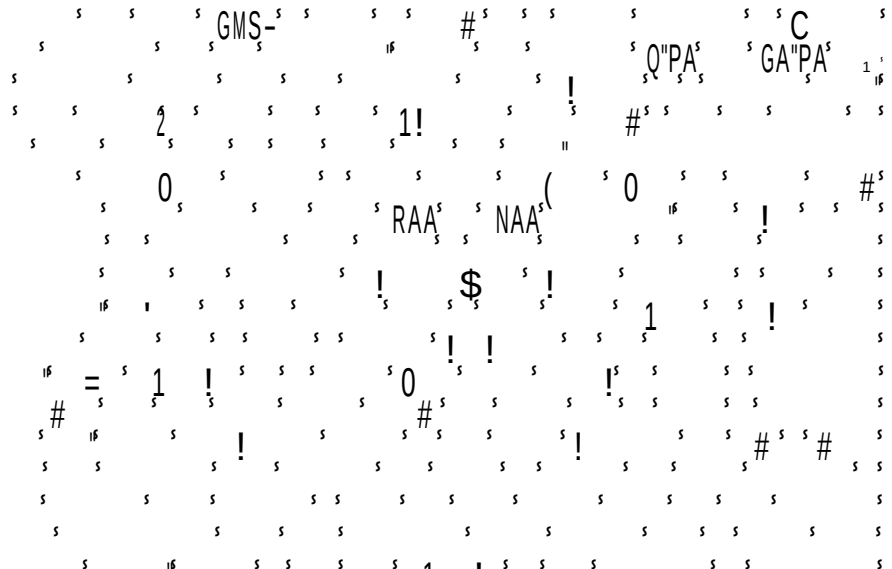

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who brought in no less than 393 ducks in one day! His late Majesty, King Alfonso XII., comes second with 381 ducks shot in three hours and a half. On his second visit, on hearing that he had secured his century, His Majesty stopped shooting, being more interested to watch the fowl passing overhead. His total was 127. King Alfonso XIII. had an unlucky day here—rain and storm—hence he only totalled ninety odd. Many years ago, our late friend, Santiago Udaëta, was credited with 270 ducks to his own gun in one day.

These bags are truly enormous, for, big as it is, Daimiel is not a patch in size as compared with our own marismas of the

RED-CRESTED POCHARD—AN IMPRESSION AT DAIMIEL

Guadalquivir. There is here, on the other hand, abundant cover to conceal the guns, which is not the case with us.

It was at Daimiel that we first made acquaintance with the red-crested pochard — a handsome and truly striking species, smart in build, colour, action, and every attribute. A bushy red head outstretched on a very long neck contrasts with the jet-black breast, while the white "speculum" on the wings shows up conspicuous as a transparency, especially when a band passes overhead in the azure vault, or splashes down on reed-girt shallow—one actually seems to see through the gauzy texture of their quills. These ducks breed in numbers at Daimiel, as do also mallards, garganey, and ferruginous ducks, together with stilts, grebes, and herons of all denominations. Greatly do we regret that our experience at Daimiel does not include the spring-season with all its unknown ornithological possibilities. An unfortunate

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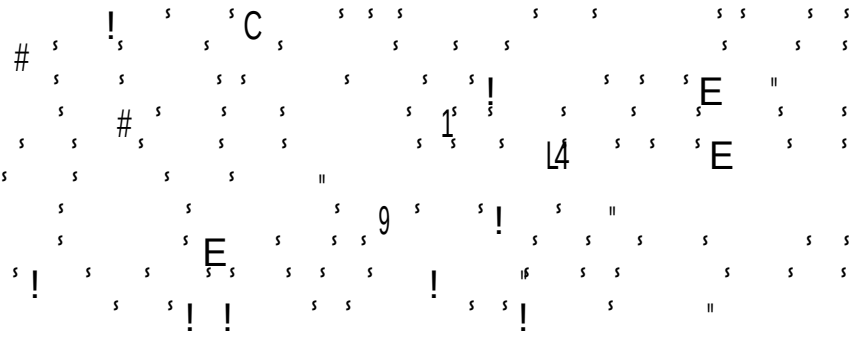

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9,' -/=5' 5;,/-' /*+' <9/-2,-' 8,-,' 3;;35,+' .3' .9,' 817+' =)77' 34' .9,' ;/*159' ;7/1*')*+,-' <3*+1.13*5' :/*>' 34' 891<9' /-,' /*/7323)5' .3' .9,5,' 1*' ?32),' .3+/>

' .935,' ,/-71,-' /2,5' 1.' 8/5' ;,-:1..,+' .3' /')*93-5,+' </?/71,-' .3' /<<,;.' ;-3.,<.13*' 4-3:' .9,' 93-*5' 34' 915' ,*,:>' /.' .9,' 9/*+5' 34' 915' ;,-53*/7' -,./1*,-5' 893' *3.' 1*4-,6),*.7>' 5/<-141<,+' .9,1-' 38*' 71?,5' 1*' +,?3.13*' .3' .9,1-' <91,4

.' .915' ;,-13+' D+)-1*2' .9,' .91-.,,*.9' /*+' 43)-.,,*.9' <,*.)-1,5' .9,' 0*129.' 893' 7/*<,' 1*' 9/*+' 9/+' =,,*' 9)-7,+' 4-3:' .9,' 5/++7,' :129.' +-/8' 915' 583-+' /*+' 0177' .9,' =)77' 915' ?/55/75' =,1*2' /7738,+' .3' /5515.' 1*' ;7/<1*2' .9,' /*1:/7' D=>',4.' +15;7/>' 34' <373)-,+' <73/05' 1*' /' ;351.13*' .3' 4/<171./.,' .9,' +,/.9 5.-30,' ,-,B' +3)=.7,55' 3-121*/.,+' .9,' /-.' 34' G' ;7/>1*2' H' .9,' =)77' /*+' 1*<1+,*./77>' 5;-/*2' .9,' ;-34,5513*/7' =)77 4129.,-

3-' /5' .9,5,' 5,-?/*.5' =,</:',C;,-.5' /*+' =>' -,/53*' 34' .9,1-' ;-38,55' 2/1*,+' ,C.-/' 8/2,5' 53' ;-3;3-.13*/.,7>' 5)<9' 5017' =,</:',' 34' ;,<)*1/->' ?/7),' # ,-<,*/-1,5' 34' .915' 53-.' 8,-,' *,?,-.9,7,55' +,5;15,+A .3' -150' .9,1-' 71?,5' 1*' -,.)-*' 43-' :3*,>' 8/5' -,2/-+,+' /5' /*' 1*4/:3)5' .91*2').' /.' 7,/5.' .9,>' 9/+' 1*/)2)-/.,+' .9,' -,21:,' 34' .9,' 91297>' ;/1+' :/./+3-' 34' .3+/>

)-1*2' .9,' 41-5.' <,*.)->' /4.,-' .9,' ,<3*6),5.' =)77 4129.1*2' 8/5' 3;;35,+' =>' 5,?,-/7' ;38,-4)7' 1*47),*<,5' =).' ,/<9' 1*' .)-*' 1.' 5)-?1?,+' /*+' 5,.' /.' */)29.' 5/=,7' 7/' /.=71</' 93--141,+' =>' .9,' 5129.' 34' =733+59,+' /.' /' =)77 4129.' 891<9' 59,' ;,-53*/77>' /..,*+,+' +,<1+,+' .3' ;-391=1.' /77' F' =).' .9/.' 59,' 43)*+' 7/>' =,>3*+' ,?,*' 9,-' 2-,/.' 1*47),*<,' ,C.' 1*' LMQ' ' .9,' ;38,-' 34' .9,' /;/<>' 8/5' 1*?30,+' 1*' ?/1*

3;,' 1)5' ' =>' /' ' 34' 3?,:=,-' !' 43-=/+,' .9,' 5;,</<7,')*+,-' ;/1*' 34' ,C<3::)*1</.13*' .9,' +,*1/7' 34' 9-15.1/*' =)-1/7' /*+' 51:17/-',<<7,51/5.1</7';,*/7.1,5B' =).' 9,' /*+' 915' ' 9/+' 710,@ 815,' .3' 23')*+,-' 1*' 4/<,' 34' .9,' */.13*/7' 5,*.1:,*.' 34' ;/1*

' *3=7,' =)77' 4,77' .3' .9,' 7/*<,' 34' 5/=,75' 2-/*+53*' # ' .9,' :;,-3-' 9/-7,5' ' 1*' .9,' 7/I/' # />3-' 34' /77/+371+' /:1+5./<<7/:/.13*' 34' <3)*.7,55' /+:1-,-5' 915' 3<<)--,+' +)-1*2' .9,

J. Grawhall

- ' %!#)+-' ,&&;P)3-*' 0

4,5.1?/75' 9,7+' .3' <,7,=-/.,' .9,' =1-.9' 34' 915' ,7+,5.' 53*' /4.,-8/-+5
91771;'

*' LQL '=)77 4129.1*2' 41-5.'/55) : ,+' /' 41*/*<1/7' /5;,<.' 91771;'
' <3*<,+,+' .3' 3*,' -</*1/' #/*+)93' .9,', :37) : ,*.5' /<<-)1*2'
+)-1*2' .9,'.,-:'34' .9-,,'71?,5'4-3:'.9,' ' ' 1*' .9,'
<1.>' 34' /7,*<1/' 9/-1.1,5' /*+' /5>7) : 5' =,*,41.,+')*+,-' .915'
4)*+' =).' .9,' =)70' 8,*.' 1*' ;/>:,*.' 43-' ;-34,5513*/7' 5,-?1<,5'1*'
.9,' 7/I/

)-1*2' .9,' -,12*' 34' 91771;' A .9/.' 01*2' =,1*2' 50177,+' 1*'
.9,')5,'34'7/*<,'/*+E/?,71*'(' '/*+'4-,6),*.7>'91:5,74'./01*2'
/';)=71<';/-.A 3 4' '/+?/*<,+',*3-:3)57>'1*'*/.13*/7',5.1:/@
.13*' *27159'-,/+,-5' :/>'-,</77' .9,'5) : ;.)3)5' '8 91<9'
:/-0,+' .9,'/--1?/7' 34' 9/-7,5' '81.9' .9,')0,' 34')<01*29/:'
/.' #/+-1+

/.,-' +)-1*2' .9,' -,12*5' 34' .9,' 3)5,' 34')5.-1/' .3' 4/<,'/'
=)77' 81.9' =-/?,->' /*+' 50177' /*+' .3')5,'/' +,C.,-3)5' 7/*<,' 8/5' .9,'
;-1+,' 34' ,?,->' ;/*159' *3=7,

91771;' ' 938,?,-' 83)7+' 9/?,' *3*,' 34' .9,' 5;,<./<7,' /*+'
.9,*' .9,' *3=171.>' 9,7+' /7334' 4-3:' .9,' F' =).' .9,1-'
,C/:;7,';-3?,+' *3' +,.,--,*.' 3-' .9,' 937+' 34' .9,' */.13*/7'
;/5.1:,' 3*' .9,' #3-3 915;/*1<' -/<,' 8/5' .33' 41-:5,.' .3' =,' 58,;.'
/51+,'=>'/71,*'1*47),*<,'938,?,-'5.-3*2'B /*+'89,*'.9)5'/=/*+3*,+'
=>'.9,';/.-1<1/*5'.9,'91+/7235'/*+'2-/*+,,5'34' ;/1*'.9,'5;3-.'
34' =)77 4129.1*2' D91.9,-.3' <3*41*,+',C<7)51?,7>'.3' .9,'/-15.3<-/<>'
8/5' ./0,*');' =>'.9,' ;/*159' ;,3;7,' ' 4)-.9,-'1:;)75,' 8/5'
2,*,-/.,+'7/.,-'3*')*+,-',-+1*/*+' 893'3=./1*,+'/'-,?,-5/7'
34' .9,'/*/.9,:/' 34' .9,' 9)-<9' 3*' <3*+1.13*' .9/.'53:,' 34' .9,'
;,<)*1/->';-341.5' 34' .9,' 593)7+' 58,77' .9,' 4)*+5' 34' .9,'
935;1./75

.' 8/5' 938,?,-' +)-1*2' .9,' 41-5.' 9/74' 34' .9,',129.,,*.9'<,*.)->'
.9/.' =)77 4129.1*2' 3*' /' ;3;)7/-'=/515' /5')*+,-5.33+'/*+';-/<.15,+'
/.' .9,';-,5,*.'+/>' .330' 1.5' 5./-.' 9,*' .9,-,'5.,;;,+');3*' .9,'
,*<735,+' /-,*/' .9,' 41-5.';-34,5513*/7' 5 ' /:1+5.' .9-1771*2'
;7/)+1.5' 4-3:' .1,-' /=3?,' .1,-' 34' ,*<1-<71*2' 9):/*1.>' ,?,-'
=,43-,'9/+' .9,'=)77=,,*'./0,*'3*'=>'/'51*27,':/*'3*'433.'/-:,+'
3*7>'81.9' 915' 233+' 583-+' /*+' 5</-7,.' 47/2A 81.9' .9,5,' .3' ;1.' 915'
5.-,*2.9' /*+'50177' /2/1*5.' .9,'8,129.'/*+'4,-3<1.>'34'/' ' # B'
/73*,'/*+')*/1+,+' .3',+,5;/.<9' 91:')<9' /':/*'8/5' -/*<15<3'
3:,-3',-,8917,5'/'593,:/0,-'/.' 3*+/ 'L' QA 41-5.';-3@
4,5513*/7' ' *' 915' +,/.9' /.' /*' /+?/*<,+' /2,' 9,' 7,4.

41?,' 53*5' /77' <-/4.5 : ,*' 34' -,;).,' 893'1*' 93*3)-' 34' .9,1-' 51-,' 43- : ,+'/'=)77 4129.1*2' 2)17+'5.177'0*38*'/5'.9,' 3*+,*,/*' <9337A' +15.1*2)159,+' 4-3 :' .9K' 7/.,-' ,?1771/*' <)7.' =>' 1.5' : 3-,' 5,-13)5' /*+' +12*141,+' /../<0' /5' <3 :;/-,+' 81.9' .9,' ;-,..1*,55' /*+' G'58/242,-'5'34'.9,' ,?177/*3

' .9/.' 2,,-/.13*' -/*<15<3 5' 53*' ,+-3' 3 :,-3'/;;,/-,+' 1*' -1?/7->' 81.9' '.9,' *,8 -15,*'5./-'1*'.9,' ,?1771/*' 41- :/:,*.' .' 8/5' =>' .9,' 8/>' .9,' :/5.,- :1*+'34'.9,' 7/..,-' 891<9' <3 :;7,.,+' /*+' ;,-4,<.,+' .9,' -,3-2/*15/.13*' 3*' ;3;)7/-' 71*,5'34'.9,' */.13*/7') '/4.,-' 3)-=3*'1*47),*<,' 9/+' /71,*/.,+' .9,'/-15.3<-/<>'4-3 :' .9,1-'/*<1,*.'+1?,-513*' 9,'-1?/7->'=,.8,,*' .9,5,' <3 :;,.1*2',C;3*,*.5'34'.9,' .83'5.>7,5'<3 ::,*<,+'1*'L''L' .9,' ;/1-'-,;-,5,*.1*2',/<9'/'5);-,:,' :/5.,->'34'.9,1-'-,5;,<.1?,' 5<93375'/*+'3*7>'.,-:1*/.,+'81.9'.9,' +,/.9'34' ,;, 773'1*' .9,' 7/I/'34'#/+-1+' #/>' LL'L&!L' 9,' ,?1771/*' 5.>7,'9/5'51*<,' /../1*,+' ;-, ,:1*,*<,' /;;,/71*2' :3-,'.3' .9,' :/55,5'=>'1.5' *3*<9/7/*<,'/*+'/;;/-,*.'+15-,2/-+'34'+/*2,-' 9,*' .9,'=,5.' 4,/.)-,5'34'=3.9'5<93375'/-,'<3 :=1*,+A /5'9/5'=,,*',C,:;7141,+' 1*' :3-,'.9/*' 3*,'=-1771/*.',C;3*,*.'34'.9,'/-.A .9,*' .9,'7,..,-5' 34'915'*/:,'/-,'8-1.'7/-2,'3*' .9,'

,'3.9,-'4/:3)5'/:,'34'.9/.',;3<9'+,:/*+5'*3.1<,A .9/.'34' 35.177/-,5'893'1*.-3+)<,+'.9,'47>1*2'5.-30,'+15.1*2)159,+'/5'.9,' ' ' 1.9,-.3'/77' '9/+'-,<,1?,+'.9,'3*5,.' 34'.9,'=)77'5./*+1*2A .9,' ' ' *' .9,' '.9,' <9/-21*2')77'15' :,.'9/74 8/>'/*',C;731.'+,:/*+1*2')*58,-?@ 1*2'/<<)-/<>'5.-,*2.9'34'/-:'/*+',C/<.'E)+2:,*.'34'+15./*<,' 51*<,'.9,'5;3.';,-:1551=7,'43-'.9,'583-+'.3',*.,-'.9,'./-2,.'3*' .9,'=)77'5*,<0'15'*3'=122,-'.9/*'/*'3-/*2,

9,'*3-:/7' +1471<)7.?'34'59,/.91*2' .9,'=7/+,'/.'.9/.',C/<.' ;31*.'3*'/'<9/-21*2')77'152-,/.',*3)29'B=).'15'?/5.7>'1*<-,/5,+' 1*' .9,' '3-'47>1*2'5.-30,'/*+' .9,',44,<.';-3+)<,+'3*' .9,' 5;,<./.3-5',:3.13*/7'1*' .9,'7/5.'+,2-,,

35.177/-,5'/753'43-:/715,+'.9,'<35.),5'34'.9,'+144,-,*.'<7/55,5' 34')77 4129.,-5' ,'473)-159,+'1*' L'Q!'/*+' +1,+'34'/'=-30,*' 9,/-.'381*2'.3'915'-129./-:'=,1*2'1*E)-,+'891<9'1*</;/<1./.,+' 91:'4-3:'4)-.9,-'.-1);:95' =3).'.9/.';,-13+'#/-.1*93'1*.-3@ +)<,+' .9,' ;,-173)5';37,E):;'/*+' 35Q' /*+1+3'5.33+' 3).' ;-3:1*,*.'43-'5017'/*+',C.-/3-+1*/->',53)-<,

*.,-:,+1/.,',;153+,5'34':1*3-'1:;3-./*<,'8,':)5.'=-1,47>' *3.,' 9)5'$3+3>'1*' L&!M'5.3;;,+'=)77 4129.5'=).' 35,;9

3*/;/-.,' 1*' L&!&' -, ,5./=7159,+' .9,' 5;,<./<7,' 1*' ?/1*' 93;,A /' 53;' .3' ,-=,-)5A 34' /..//<91*2' 5>:;/.9>' '915' +>*/5.>

' .9,' -,.)-' 34' ,-*/*+3' '19' L&L('9,' /753';-391=1.,+' .9,' 59385' 3*7>' .3' -, /).93-15,' .9,:' .9,' 4377381*2' >,/-' 8917,' 1*' L&%!' 9,' 43)*+,+' /' 5<9337' 34' 3-3:/6)1/' 1*' ,?177,' *,' 4/:3)5' ':/.-1<)7/.1*2' .9,-,/.' 1*/)2)-/.,+' /' *,8',;3<9' -/*<15<3' #3*.,5' </--1,+';3;)7/-',*.9)51/5:' .3' 1.5' 9129,5.' /;,C' 3>' =3-+,-1*2' 3*' :/+*,55';355,55,+' .9,' #/+-17,*,/*' -1*2' 89,*' #3*.,5' 9/*+7,+' .9,' ',./5' /' :/./+3-' 9,' 9/+' 5,-13)5' +,4,<.5

' L&(!')<9/-,5' /;;,/-,+' 3' .9,' 5<,*,' /*+' .83' >,/-5' 7/.,-' .9,' 2-,/.' +15<1;7,' 34' #3*.,5' 35Q' ,+3*+3' 9,' -1?/7->' 34' .9,' ,' *3./=7,' <3*.,:;3-/-1,5' 714.,+' .9,' 3*<,' :3-,' .3' /' 7,?,7' 34' /=53-=1*2' */.13*/7' 1*.,-,5.' .' 8177' 9/?,' =,,*' 5,,*' .9/.' 89,*,?,-' .83' =-1771/*.' <3*5.,77/.13*5' 47/59' 43-.9' 51:)7./*,3)57>' .9,1-' ?,->' -1?/7->' <3:/*+5' .9,' 5>:;/.9>' /*+' 5);-,:,' 1*.,-,5.' 34' .9,' ;/*159' ;,3;7,

-3:' L&M' 7' /.3' 5.33+' 3).' /5' /' .>;,' 34',7,2/*<,' /*+' ?/73)-' .9,' 1+37' 34' .9,' :/55,5' .177' 3*')*,' '' L&M"' /' .-,/<9,-3)5' =)77' 7,4.' 91:' :).17/.,+' 1*' .9,' /-,*/' *.3*13' /--/+*/' D 7' $3-+1.3' <3::,*<,+' 915' </-,,-' 1*' L&M'' /7.,-*/.1*2' 1*' .9,' -1*2' 81.9' 7' /.3' /*+' 7/.,-' 81.9' /2/-.1E3' .9,' 7/..,-' /' =-1771/*.' 'D3-' ;7/>,-' 34' =)775' /5' +15.1*2)159,+' 4-3:' /' :/./+3-' 3*5):/.,' 1*' ,?,->' 4,1*.' /*+' /-.141<,' /2/-.1E3' <3)7+' =,4337' .9,' /*1:/75' .3' .9,' .3;' 34' 915' =,*.' >,.' /5' /' :/./+3-' .9,' 41*/7' /*+' 5);-,:,' ,C,<).3-' 9,' 4/17,+

3-' .8,*.>' >,/-5' DL&Q'&' ' .9,' ;/*159' ;)=71<' 8,-,' +1?1+,+' 1*' .9,1-' 0,,*' /;;-,<1/.13*' 34' <3*.,:;3-/*,3)5' :/5.,-5' /2/-.1E3' /*+' -/5<),73' 9,' 7/..,-' 8935,' 1-3*' 8177' /*+' <3)-/2,' :/+,' /:,*+5' 43-' <,-./1*' ;,-53*/7' +,4,<.5' 1*' .9,' 7129.,-' -37,' 9/+' :/-?,773)5' 5,<)-1.>' 1*' .9,' 41*/7' 5.-30,

/2/-.1E3' /*+' -/5<),73' /<<,*.)/.,' /*' ,-/' 8,77' -,:,:=,-,+' =>' ,*.9)51/5.5' 1*' .9,' 7/551,' <9337' 34' .9,' .' ' *' .9,1-' +/>' /77' ;/*1/-+5' 8,-,' +,?3.,+' />,' ;/5513*/.,' /+9,-,*.5' 34' 3*,' 3-' .9,' 3.9,-' \' /77' ;/1*' 8/5' +1?1+,+' 1*.3' .83' </:;5' .9/.' 34' /2/-.1E3' /*+' .9/.' 34' -/5<),73' 9,' /<.)/7' 5);;3-.,-5' 34' .9,' -1*2' 8,-,';-3@ =/=7>' *3':3-,' *):,-3)5' .9,*' .9/*' .3 +/>' B =).' .3-,/+3-5' =-,/.9,+' .9/.' 37+ 4/5913*,+' /.:35;9,-,' 1*' 891<9' /' 73?,' 34' .9,';-34,5513*' 8/5' 5);-,:,A /*' 9,-31<)*5,74159*,55';,-53*/7' 50177' /*+' ?/73)-' 8,-,' .9,' -)71*2' :3.1?,5' ,<)*1/->' 1*.,-,5.' 8/5' /' .91*2' /;/-.

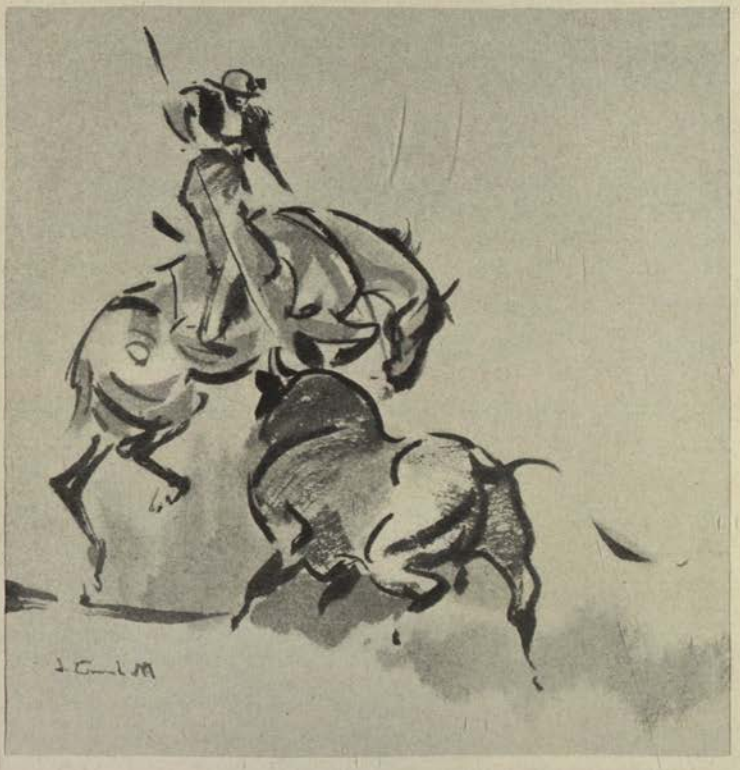
(' +$5((5 "6 (' # ''26%9 (5 "2)$4 %!' $#!"'' ('4 7$& %&9 %&! + ' 8%5 (' $9$5 % '" $&)' 5$!+ ('"' ! $:()' (%5 '%8(!' ($+ ' $6 (5&"'"&' 5" 9 ' $ '"8(' "6 (%5 $5 ' #4 (' %3,5(!!' "6 "&(!' &$ 5(' ,(5 $,!' #4 %&!,%5$ %"& "6 $ 7"3$&!' (4(!' & " (%5 +$'+ '$ %"&!' %)($!' "6 ' +5(')%)' &" ' (& (5' 3"&(4 $)' &"' 8$' (

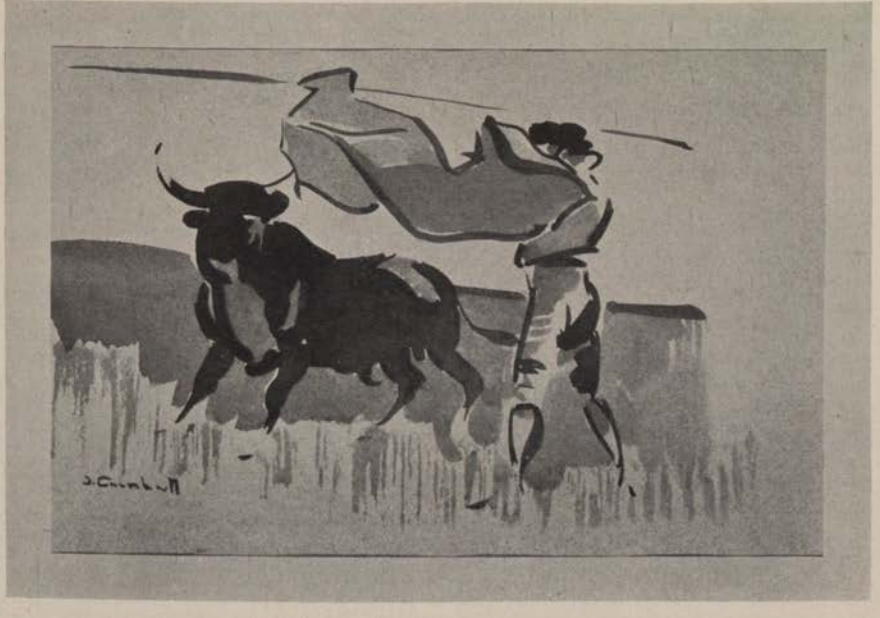
9,*' </:,' 3*' .9,' 5<,*,' DL&&' ' .9/.' =-129.' ;/-.1<)7/-' 5./-' /4/,7' $),--/'D$),--1./' <,7,=-/.,+'/*+'/+:1-,+A /*+'81.9'E)5.1<,').' 915' <3:1*2' +,5.-3>,+'43-',?,-'.9,'7,2,*+'34' .9,' +151*.,-,5.,+' ' 9,' 73?,-' 34' .9,' /-.' 43-' 1.5' 38*' 5/0,' 8/5' *3' :3-,' $),--1./' 8/5' /' :,-<,*/->' 34' .9,' 41-5.' 8/.,-' +:1.,+7>' 41-5.' 34' :3+,-*'=)77 4129.,-5' .9,' /5;1-/.13*' 34' 915' 53)7' 8/5' .9,' ;355,5513*' 34'=/*0 *3.,5' .3'=,' .9,'<71;;,-'34' :/*>'<3);3*5'X ,1.9,-';/5513*' *3-'=733+' *3-'4/?3)-'34' .9,'4111-'1*5;1-,+'915'53-+1+'53)7' .' .9,' 5);-,:,' :3:,*.'34' +/*2,-' :3*,>'3*7>' :3*,>' 8/5' .9,' :3.1?,' 891<9' /<.)/.,+' 91:' *' 915' +,51-,' 43-' 8,/7.9' 9,' 5)<<,,+,+' 15')*,C;,<.,+' -,.1-,:,*.'4-3:' .9,' /-,*/'1*' .9,'?,->' /;32,,'34' 915' 273->' /*+' </-->1*2' /8/>' .9,' /<<):)7/.13*' 34'=15' .9-14.' 8/5' /' 593<0' .3' .915' 8/-:9,/-.,+';,3;7,' ?,->'?,5.12,'34' .9,' -3:/*.1<' 9/73' 81.9' 891<9' ;,-53*/7';-38,55' /*+' 2-/<,4)7';-,5,*<,' 9/+' 5)--3)*+,+' 91:' 8/5' +,5.-3>,+' $),--1./' /5' /';7/>,-' 34' =)775' " ' 8/5' .9,'41-5.'1*' /77' .9,'915.3->'34' .9,'-1*2' 5'/'G :/./+3-'H' /753' 9,' 8/5' .9,' :35.' <3:;7,.,'/*+' <,-./1*' *710,' .9,' :/E3-1.>' 34' 915' <3:;,,-5' 9,' 8/5' -,5,-?,+' 1*' 915' 9/=1.5' /*+' 71?,+' /;/-.' 4-3:' .9,' =11/--,' /*+'.,:;,5.)3)5' 14,' 34' .9,' 3-+1*/->'=)77 4129.,-' 81.9' 1.5' 4,:1*1*,' 1*.-12),5' /*+' ,C<1.,:,*.5' 3-' .9/.' -,/53*' 9,' 9/+' :/*>',*,:1,5' /:3*25.' 915' 5,.B=).' 34' 915' <7/1:' .3' =,' 1*' .9,' ?,->' 41-5.' -/*0' .9,-,' 9/5' *,?,-' =,,*' /' 6),5.13*' 3' 5,,' $),--1./' 81*+' .9,' 5170,*' 5/59' /-3)*+' 915' -1=5' 34' 5.,,7' /5' 9,' /..1-,+' 91:5,74' 43-' .9,' /-,*/' 8/5' /' 5129.' 915' ;/.-3*5' <3*51+,-,+' 83-.9' 231*2' :/*>' /' :17,' .3' 81.*,55 R

%&+(' %!' 5(%5(3(&' (' ! "7' $!' 6$"'(& 95($'4' %& (' ; $'%4 "6 (' # ''26%9 (5

%!' $=$& %&% +5($()' $ (3,"5$54 5(8"' %"& %& (' $&&$'!' "6 "5" 3$; %$DL&&M ' '%9 %&9 ,' $&(7 (' (& !%$!3' 6"5 (') ' (' +$3(' &"' "6 (' ! $' '"7' $'629%,!4 +$! (' # ' "6 (' +'$!!' 7 %+' (&%'()' %3' '" (' ' "6 9(&'(' #%5 ' "& %!' $=$& %&% (' "&'4,5"6(!!%"&$' #($5%&9 ! +' $,5(6%*' $+; %5()' $' $& & ! $''4 '$ (' ,(5%")' "6 '%6(' ! 66%+%(&' (+ &%+$' :&"7'()9(' "6 # ''26%9 %&9 " (3#"')(& %3' " (& (5 (' '%! !' %&

' 9,' /).93-5';,-53*/77>'/5515.,+'/.'.915' '/7/?,-/' # />'L&"L





- ʻ %!#)+-ʻ ,&&;P)3-*ʻ

<3 : ; , .1.13*ʻ 81.9ʻ ; -34, 5513* /75ʻ ,ʻ 8/5ʻ .91-.>ʻ >, /-5ʻ 34ʻ /2,ʻ 89, *ʻ .9,ʻ 9, /?>ʻ ; />ʻ 34ʻ .9,ʻ : /./+3-ʻ1*+)<,+ʻ 91 :ʻ .3ʻ -150ʻ 915ʻ 714,ʻ1*ʻ .9,ʻ /-,*/

9/.,?,-ʻ : />ʻ=,ʻ 5/1+ʻ 34ʻ 915ʻ 49171*2ʻ /5ʻ /*ʻ /-.15.1<ʻ ,C;3*,*.ʻ 34ʻ .9,ʻ /-.ʻ 34ʻ)<9+-,5ʻ 9,ʻ 0177,+ʻ 915ʻ =)775ʻ 1*ʻ /ʻ -,537).,ʻ : /**,-ʻ /*+ʻ -, /*1 : /.,+ʻ .9,ʻ 1*.,-,5.ʻ 1*ʻ .9,ʻ ʻ =).ʻ 915ʻ ,C/ : ;7,ʻ 8/5ʻ /ʻ =/+ʻ 3*,ʻ ,?,-/7ʻ : ,*ʻ , :)7/.1*2ʻ 915ʻ </-,,-ʻ 9/?,ʻ ,*@ +,/?3)-,+ʻ .3ʻ =,<3 :ʻ 1 : ;-3?15,+ʻ ʻ /*+ʻ 710,ʻ 91 :ʻ .3ʻ /?31+ʻ .9,ʻ5.,; => 5.,;ʻ <71 :=ʻ .3ʻ : /./+3-5ʻ -/*0ʻ 77ʻ 9/?,ʻ=,,*ʻ 4/17)-,5ʻ 9,>ʻ 8/*.,+ʻ .3ʻ=,21*ʻ 89,-,ʻ .9,ʻ=)77 4129.,-ʻ 34ʻ37+ʻ7,4.ʻ344

#/II/*.1*1ʻ 9/5ʻ -,.1-,+ʻ)*5</.9,+ʻ 4-3 :ʻ 915ʻ .8,*.>ʻ >,/-5ʻ 34ʻ ;,-173)5ʻ,C;,-1,*<,ʻ1*ʻ .9,ʻ /-,*/ʻ /*+ʻ 15ʻ *38ʻ /ʻ <1?1<ʻ 7129.ʻ1*ʻ .9,ʻ 73</7ʻ 23?,-* : ,*.ʻ 34ʻ.9,ʻ <1.>ʻ34ʻ #/+-1+

1*<,ʻ $),--1./ʻ *3.ʻ /ʻ 51*27,ʻ : /./+3-ʻ 34ʻ 7,/+1*2ʻ 7129.ʻ 9/5ʻ /-15,*ʻ ,?,-.,ʻ DL&"L ʻ *.3*13ʻ),*.,5ʻ DL&"% ʻ /*+ʻ 3 :=1./ʻ DL&"(ʻ /7ʻ /..-/<.,+ʻ /ʻ *) : ,-3)5ʻ ;)=71<ʻ /*+ʻ /4.,-ʻ.9, :ʻ 8,ʻ /--1?,ʻ /.ʻ.9,ʻ7,55,-ʻ7129.5ʻ34ʻ.9,ʻ ; -,5,*.ʻ+/>ʻ 3 :=1./ʻ ʻ /*+ʻ # /<9/6)1.3

3.81.95./*+1*2ʻ1.5ʻ ; -,5,*.ʻ +,</+,*<,ʻ1*ʻ /7ʻ .9,ʻ : 35.ʻ,55,*.1/ʻ 6)/71.1,5ʻ >,.ʻ .9,ʻ) ʻ ʻ ʻ 15ʻ 5.177ʻ 14ʻ *3.ʻ .9,ʻ ?,->ʻ 9,/-.ʻ .9-3=ʻ 34ʻ .9,ʻ */.13*ʻ /.ʻ 7,/5.ʻ .9,ʻ 51*27,ʻ /77 , : =-/<1*2ʻ 5> : =37ʻ 34ʻ .9,ʻ ; ,3;7, 5ʻ ./5.,ʻ /5ʻ +15.1*2)159,+ʻ 4-3 :ʻ .9/.ʻ 34ʻ 3.9,-ʻ 7/*+5ʻ /<1*2ʻ 9/5ʻ =,,*ʻ .-1,+ʻ /*+ʻ 4/17,+ʻ .9,-,ʻ /-,ʻ *3ʻ .,, : 1*2ʻ <-38+5ʻ /.ʻ 433.=/77ʻ *3-ʻ 517,*.ʻ 8/.<9,-5ʻ 3*ʻ .9,ʻ <-1<0,. 41,7+ʻ ' ʻ ʻ /73*,ʻ : /0,5ʻ .9,ʻ ; /*159ʻ 9371+/>

- ' %!#)+-' P)3-*)#3; ,&&' 4

389,-,'</*'.9,',C<1.1*2'5<,*,5'34'.9,' . ' =,'81.*,55,+' .3' 2-,/.,-' /+?/*./2,' .9/*' 3*' .935,' 81+,' 7,?,7' ;/5.)-/2,5' .9/.' ,C.,*+' 4-3:' ,?177,' .3' .9,' />' Q4' /+1I' ,-,' 4/-' 3).' 3*' 5;-,/+1*2' ' /=7/I,' 81.9' 817+' 4738,-5' 89,-,' .9,' </*1<)7/-' 5)*' 47/59,5' >,.' :3-,' 7129.' /*+' 41-,' 1*.3' .9,' 41,->' ?,1*5' 34' .9,' *+/7)IA 9,-,' 15' ,*/<.,+' .9,' 41-5.' 5<,*,' 1*' .9,' +-/:/' 34' .9,' . ' 3-' /2,5' .9,5,' 4738,-5.-,8*' ;7/1*5' 9/?,' 43-:,+' .9,' 5<,*,' 34' <3)*.7,55' ' 89,-,' .9,' >3)*2' =733+5' 34' *+/7)<1/'2,*,-/.13*' /4.,-' 2,*,-/.13*'-1?/7' ,/<9' 3.9,-'1*' 4,/.5' 34'+,--1*2+3' 34'50177' /*+' 93-5,:/*591;

9,'-,:3.,' ' ;-,5,*.5' /' 5<,*,' 34')*83*.,+' -,?,7->' 77' *129.' 73*2' 1.5' -)+,' 8/775' -,53)*+' 81.9' =315.,-3)5' 917/-1.>A' 233+9):3)-' 2/1,.>' /*+' /' 5;1<,' 34' ;-/<.1</7' E301*2' ;/55' /8/>' .9,'+/-0' 93)-5' /*+'=>'+/>7129.' /77' /-,'1*' .9,'5/++7,' 9,'>3)*2' =)775' 9/?,' ;-,?13)57>'=,,*' 9,-+,+');3*' .9/.' ;/-.' 34' .9,' ,5./.,' 891<9' /443-+5' .9,' =,5.' 7,?,7' 2-3)*+' 43-' 5:/-.' :/*3,)?-,' /*+' 4/5.'-1+1*2' /*+' .9,' ./50' 34'937+1*2' .9,'1:;,.)3)5'=,/5.5'.32,.9,-' 15' /773..,+' .3' 50177,+' 9,-+5:,*' /-:,+' 81.9' 73*2' A 43)-' >/-+' 7/*<,5' 81.9' =7)*.' 5.,,7' .1;' 77' =,1*2'-,/+>' /' 51*27,' =)77' 15' /7738,+' .3',5</;,' /<-355' .9,' ;7/1*' 83' 93-5,:,*' /8/1.1*2' .9,':3:,*.'5;,/-'1*' 9/*+' 21?,' <9/5,' 3*,' 3*' ,1.9,-' 47/*0' 9,' -1+,-' 3*' .9,' =)77 5' 7,4.' /5515.5' 915' <3:;/*13*' =>' 937+1*2' .9,' /*1:/7' .3' /'5.-/129.' <3)-5,' -,5,*.7>'.9,'-129.9/*+':/*'-151*2' ,-,<.'1*' 915' 5.1--);5';7/*.5' 915' 7/*<,'3*' .9,' =)77 5'))2$ 6'*,/-' .9,' ./17' /*+' =>' 3*,' .-,:,*+3)5' .9-)5.'+,71?,-,+' /.' 4)77' 5;,,+' 3?,-.9-385' 91:A' /' 4,/.' .9/.' =,5;,/05' /' 233+' ,>,' /' 41-:' 5,/.' /*+' /' 5.-3*2' /-:' 3:,' >3)*2' =)775' 8177' ./0,' .83' 3-' :3-,' 4/775' 83.9,-5' 3*' -151*2' 8177' ,7,<.' .3' <9/-2,' 9,' 1*4)-1/.,+' >3)*25.,-' 41*+5' 91:5,74' 4/<,+' =>' /' 5,<3*+' 43,A' /' 93-5,:/*' /-:,+' 81.9' /' :3-,' ;31*.,+' 7/*<,' /*+' 893' 9/5',,*' -1+1*2' <735,' =,91*+' 915' :/*' 15' .,-:,+' ' . ' .-/129.8/>' .9,' =)77' <9/-2,5' -,<,1?1*2' 3*' 915' 81.9,-5' .9,' ' ;31*.8' .9-38*' =/<0' .9)5' /*+'5:/-.1*2')*+,-'.915'41-5.'<9,<0'.3'915'91.9,-.3')*.98/-,+'8177' 9,'-,.)-*5' .3' .9,' <9/-2,' 81.9' -,+3)=7,+'4)->'=).'3*7>'.3' 41*+' .9,' 93-5,' ;-3.,<.,+' /5' =,43-,' 9,' ;7)<01,-'5;1-1.5' 8177',55/>' /'.91-+'3-'/'43)-.9'/../<0'=).'.935,'.9/.'4-,,7>'<9/-2,' /-,' ;/55,+'/5'41.'43-'.9,'-1*2

93)7+'/'>3)*2'=)77' = ' +,<71*,' .3' <9/-2,' .9,' . ' 5)=:1..1*2'.3'915'3?,-.9-38'/*+'3*7>'+,51-1*2'.3',5</;,'9,'15'<3*@' +,:*,+A+33:,+'.3'+,/.9'3-'/'=,5.'.3'/'714,'34'/2-1<)7.)-/7'.317

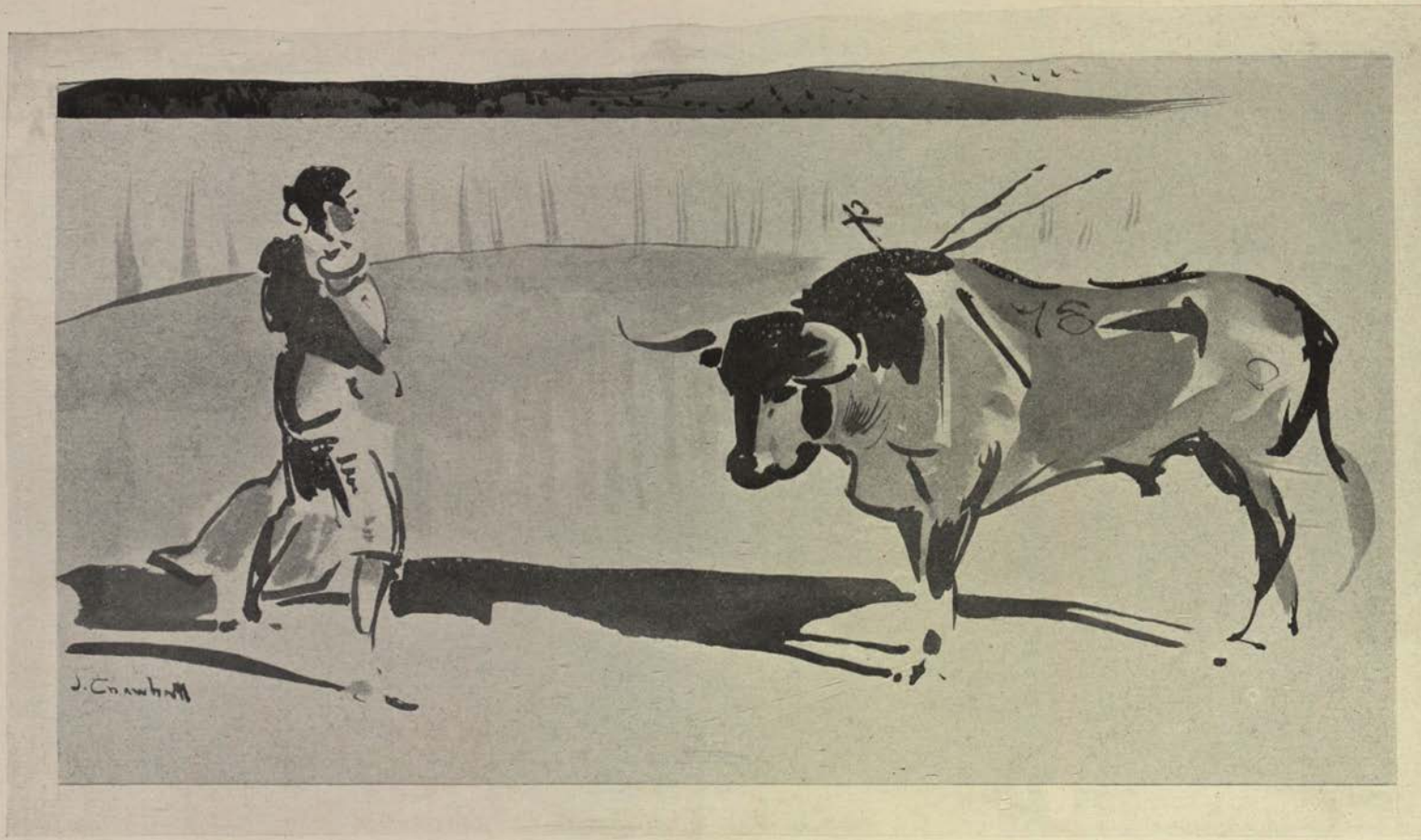
□# $%&' (‘ %!)#

3.‘ 5,7+3 : ‘ /‘ =)77‘ 51*27,+‘ 3).‘ 4-3 : ‘ .9,‘ ‘ +,<71*,5‘ .3‘ ,5</ ; , ‘ /5‘ ,C ; , <. , +‘ =) . ‘ 1*5. , / + ‘ <9 / -2,5‘ .9,‘ * , / - ,5.‘ ; , -53* ‘ 3*‘ 433.‘ 3-‘ : 3) * . , + ‘ 893 : ‘ 9,‘ : />‘ <9 / *<,‘ .3‘ ,5 ; >‘ 9 , *‘ .9 , - ,‘ 15‘ /‘ 47) . . , -‘ 1*‘ .9 ,‘ +3?, <3. , 5% /*2 , -‘ </*‘ 3*7>‘ =,‘ /?, - . , +‘ =>‘ 50177, +‘ -1+1*2‘ 3-‘ /‘ <337‘ 9 , / +‘ 51*<,‘ .9 , - ,‘ 15‘ *3‘ 59,7. , -‘ ; / *159‘ 9 , -+5 : , 4.1‘ 938 , ?, -‘ D / *+‘ / : / . ,) -5‘ =, 51+, 5 ‘ / -,‘ / +, ; .5‘ 1*‘ .9 ,‘ / -.‘ 34‘ 21?1*2‘ G ; / 55, 5H‘ .3‘ .9 ,‘ =) 77 A /‘ 5 : / -.‘ 4,7738 ‘ 89 , *‘ </) 29.‘ .9) 5‘ 1*‘ .9 ,‘ 3 ; , * ‘ </*‘ 0 , , ;‘ /‘ =) 77‘ 344‘ 91 : ‘ D) 51*2‘ 915‘ E / <0 , .‘ 3*7> ‘ 43-‘ , ?, - /7‘ : 3 : , *.5‘ 21?1*2‘ .1 : ,‘ 43-‘ 93-5, : , *‘ .3‘ <3 : ,‘) ;‘ .3‘ 915‘ -,5<) , ‘ ?, *‘ .9 , *‘ 1.‘ 15‘ *3‘) *<3 : : 3*‘ 3<<) - - , *<,‘ .3‘ 5, ,‘ 93-5, @ : / *‘ 93-5, ‘ / *+‘ =) 77‘ /77‘ -3771*2‘ 3*‘ .9 ,‘ .) -4‘ 1*‘ /‘ <3 : : 3*‘ -) 1* ‘ , 7+3 : ‘ +3, 5‘ 1.‘ 9 / ; ; , *‘ .9 / .‘ 3*, ‘ 34‘ .9 , 5,‘ .-1/7 + />5‘ ; / 55, 5‘ 81.93) .‘ =-30 , *‘ =3*, 5‘ 3-‘ /<<1+, *.5‘ 34‘ 3*, ‘ 01*+‘ 3-‘ / *3.9 , -

3-‘ 43) -‘ .3‘ 41?,‘ : 3-,‘ >, / -5‘ .9 ,‘ 5, 7, <. , +‘ =) 775‘ -3 / :‘ /.‘ 7 / -2,‘ 3?, -‘ .9 ,‘ -1<9, 5.‘ ; / 5.) - / 2, 5‘ 34‘ .9 ,‘ 81+,‘) *4-, 6) , *. , +‘ ; - / 1-1, 5‘ 93) 7+‘ ; / 5.) -,‘ 4 / 17‘ .9-3) 29‘ +-3) 29.‘ 3-‘ +, 7) 2, ‘ .9 ,‘ =) 775‘ / -,‘ 4, +‘ 3*‘ . / -, 5‘ ?, .<9 ‘ 3-‘ : / 1I , ‘ , ?, *‘ 81.9‘ 89 , / .‘ 43-‘ .9 , 1-‘ +, =) .‘ 1*‘ ;) =71<‘ :) 5.‘ =,‘ : / +,‘ 1*‘ .9 ,‘ 9129, 5.‘ ; 3551=7,‘ <3*+1.13*]‘ 9 ,‘ =) 775‘ 593) 7+‘ .9 , *‘ =,‘ *3.‘ 7, 55‘ .9 / *‘ 41?, ‘ *3-‘ : 3-,‘ .9 / *‘ 5, ?, *‘ >, / -5‘ 37+

9 ,‘ ‘ /.‘ .9 ,‘ ; -, 5, *.‘ + / >‘ =-1*25‘ .32, .9 , -‘ / -15.3<- / .1<‘ 2 / .9 , -1*25‘ .9 / .‘ -, </77‘ .9 ,‘ ./) -3 : / <91 / *‘ .3) -* / : , *.5‘ 34‘ 37+‘ 0177‘ 1*‘ 9 / *+71*2‘ .9 ,‘ ‘ / *+‘ .9 ,‘ / =171.>‘ .3‘ .) -* 3?, -‘ / -) * *1*2‘ =) 77‘ / -,‘ /<<3 : ; 7159 : , *.5‘ 9,7+‘ 1*‘ 9129‘ ,5., , :‘ / : 3*2‘ ; / *159‘ >3) .9 ‘ ?, *‘ .9 ,‘ *4 / *. / 5‘ 34‘ ; / 1*‘ 9 / ?, ‘ , *. , -, +‘ 1*.3‘ .9 ,‘ 5 ; 1-1.‘ 34‘ .9 ,‘ 5 ; 3-. ‘ / *+‘ 9 / ?,‘ =, , *‘ 0*38*‘ .9 , : 5, 7?, 5‘ .3‘ 81, 7+‘ /‘ +, C. , -3) 5‘ 7 / *<,

.‘ 7, *2.9 ‘ 938 , ?, - ‘ .9 ,‘ >, / -5‘ 5 ; , *.‘ 1*‘ 7) C) -13) 5‘ 1+7, *, 55‘ 3*‘ .9 ,‘ 517, *.‘ ; 7 / 1*‘ :) 5.‘ <3 : ,‘ .3‘ / *‘ , *+‘ *, ‘ 5) : : , -‘ : 3-*1*2‘ .9 ,‘ =- / ?,‘ 9 , -+‘ 41*+‘ 2- / I1*2‘ 1*‘ .9 , 1-‘ : 1+5.‘ 5) *+->‘ 5.- / *2, -5‘ 891<9‘ : / 0,‘ .9 , : 5, 7?, 5‘ , C. - , : , 7>‘ / 2-, , / =7,‘ .3‘ .9 ,‘ 73-+7>‘ <9 / : ; 13*5‘ *38‘ 1*‘ .9 ,‘ I , *1.9‘ 34‘ : / 2*141<, *.‘ 5. - , *2.9‘ / *+‘ =, /) .>‘ 9 , 5,‘ 5.- / *2, -5‘ / -,‘ .9 ,‘ ‘ D3-‘ ‘ 1*‘ <3- - , <.‘ / 5.171 / * ‘ +, <3> 3C, *‘ 5, *.‘ 3) .‘ .3‘ 4- / . , - *15,‘ 43-‘ /‘ 4, 8‘ + />5‘ 81.9‘ .9 ,‘ 4129.1*2‘ - / <,‘ ; - , ; / - / .3->‘ .3‘ .9 ,‘ - ‘ 3-‘ 3 ; , - / .13*‘ 34‘ <3*?3>1*2‘ .9 ,‘ 7 / . . , -‘ .3‘ .9 ,‘ <1.>‘ 89 , - , / .‘ .9 ,‘ ‘ 15‘ .3‘ . / 0,‘ ; 7 / <, ‘ / <9‘ ‘ 9 / 5‘ /‘ </ . . 7, =, 77‘ 5) 5 ; , *+, +‘ -3) *+‘ 1.5‘ *, <0‘ 1*‘ 3-+, -‘ .3‘ / <<) 5.3 : ‘ .9 ,‘ 817+‘ 9 , -+‘ .3‘ 437738‘ .9 ,‘ 7, / +‘ 34‘ .9 , 5,‘ =/5, ‘ =, . - / >, -5‘ 34‘ .9 ,‘ =- / ?, ‘ 9) 5‘ .9 ,‘ *3=7,‘ =) 775‘ / -,‘ 7) -, +‘ 4-3 : ‘ .9 , 1-‘ * / .1?,‘ ; 7 / 1*5‘ .9-3) 29‘ <3) *.->‘ .- / <05‘ / *+‘ =>, 8 / >5‘ .3‘ .9 ,‘ , *.- / *<,‘ 34‘ .9 ,‘ 4 / ./7‘



After the Stroke.

- ' %!#)+-' P)3-*)#3; ,&&' 4 /

*' /*1 : /.,+' 5;,<./<7,' 1.' 15' 3*' .9,' ,?,' 34' .9,' ' 89,*' /:1+5.' <73)+5' 34'+)5.' /*+' <7/*2' 34' =,775' .9,' ./:,' 3C,*' /*+' 817+' =)775' /-,' +-1?,*' 43-8/-+' =>' 2/773;1*2' 93-5,:,*' /*+' 7,?,77,+' ' 9,' ,C<1.,+' ;3;)7/<,' /7-,/+>' 1*.3C1</.,+' 81.9' =)77' 4,?,-' /*+' .9,' /*.1<1;/.13*' 34' .9,' <3:1*2' ' 71*,' .9,' 8/>' .3' .9,' 7/I/' </-,7,55' 14' 1*' .9,',*.9)51/5:' 43-' .9,' :3--38' .9,>' -150' 53:,' /808/-+' -1;5' .3 +/>

*<,' 1*51+,' .9,' 734.>' 8/775' 34' .9,' ' 1.' 15' ,/5>' .3' 81.9+-/8' .9,' .-,/<9,-3)5' ' /*+' 3*,' =>' 3*,' .3' .,:;' .9,' =)775',/<9' 1*.3' /5:/77' 5,;/-/.,' <,77' .9,' + ' .9,' +33-' 34' 891<9' 8+77' .3:3--38' 4/77' =,43-,' 915' ,>,5' 9,*' -)591*2');3*' .9,' /-,*/' 9,' 41*+5' 91:5,74' <3*4-3*.,+' /*+' ,*<1-<7,+' =>' 5)-21*2' .1,-5' 34' >,771*2' 9)://*1.>' 8917,' .9,' <-/59' 34' .-);;,.5' /*+' 27/-,' 34' :3?1*2' <373)-5' :/++,*' 915' =-/1*' 9,*' .9,' 2/)+>' 93-5,:,*' 81.9' :,*/<1*2' 7/*<,5' -,</77B' 915' +/>' 34' .-1/7' 3*' .9,' +15./*.' ;7/1*' A 93-5,:,*' *38' +3)=7>' 9/.,4)7' 1*' .9,1-' =-1771/*.' 271..,-1*2' .1*5,7 9/.' /' 5;,<./<7,' 15' ;-,5,*.,+' =>' .9,' 7/I/' /.' .915' :3:,*.X A 3*,' 81.93).' ;/-/77,7' 1*' .9,' :3+,-*' 83-7+' 9,' ?/5.' /:;910@ .9,/.-,' <-38+,+' .3' .9,' 7/5.' 5,/.' 1*' ,?,->' -38' /*+' .1,-' 15' 9,7+' 43-' 53:,' 5,<3*+5' 1*' =-,/.97,55' 5)5;,*5,' B /=3?,' .9,' 273-13)5' /I)-,' </*3;>' 34' /*' *+/7)<1/*' 5)::,-' 50>B =,738' 3*' .9,' >,7738' /-,*/' -)59,5' 43-.9' .9,' =)77' 4-,59' 4-3:' 915' +15./*.' ;-/1-1,' /:/I,+' >,.')*+/)*.,+' =>' .9,')*83*.,+' 5129.' /*+' =,817+,-1*2' =7/I,' 34' <373)-' 891<9' 5)--3)*+5' 91:' 3-' 3*,' =-1,4' :3:,*.' .9,' ?/5.' :/55' 34' ,C<1.,+' 9):/*1.>' 51.5' 5;,77 =3)*+B .9,' <7/:3)-' 34' :>-1/+5' 15' 5.177,+' 9,*' .9,' ;,*.);' <->' =)-5.5' 43-.9' 1*' 4-/*.1<' ?37):,' 43-' .9,' 27,/*1*2' 93-*5' 9/?,' +3*,' .9,1-' 83-0' /*+' L ' G' ' G' -1*25' 4-3:' .81<,'.,*' .93)5/*+' .9-3/.5

,' 9/?,' .-/<,+' 1*' =-1,4' 3).71*,' .9,' 714, 915.3->' 34' 3)-' 2/77/*.' =)77B 8,' 9/?,' =-3)29.' 91:' 4/<,' .3' 4/<,' 81.9' .9,':/./+3-' /*+' 915' 37,+/*' =7/+,A .9,-,' 8,' :)5.' 7,/?,' 91:R' *' <3*<7)+1*2' .915' <9/;.,-' :/>' 8,' =,2' .9,' 2,*,-3)5' -,/+,-' 593)7+' 9,' ,?,-' ,*.,-' .9,' 915.3-1<' ;-,<1*<.5' 34' .9,' 7/I/' .3' 23' .9,-,' 8+.9' /*' 3;,*' :1*+' .3' 43-:' 915' 38*' 3;1*13*' 81.93).' ;-,E)+1<,' 3-' =1/5' ,.' 91:' -,:,:=,-' .9/.' .3')*.-/1*,+' ,>,5' .9,-,' :)5.' ,?,-' 4/77')*5,,*' :/*>' 34' .9,' 41*,-' G' ;/55,5 H' :)<9' 34' .9,' 50177,+' .,<9*16),' /*+' 5<1,*<,' 34' ./)-3:/<91/*/-.' 9,' </5)/7' 5;,<./.3-' *,<,55/-17>

S' 9,' 34.+,5<-1=,+' +,./175' 34' .9,' =)77 4129.' 8,' 3:1.B =).' 5713)7+' /*>' -,/+,-' </-,' .3' ;,-)5,' /*' 1:;/-.1/7' +,5<-1;.13*' .9,-,34' 8-1..,*' =>' 3*,' 34' .71,' <3 /).713-5' 34' .9,' ;-,5,*.' 83-0' 5)<9' 8177' =,' 43)*+' 1*' .9,' - (')' ' ?37' 1' ;' LML

735,5' .9/.B 9,' ;,-<,1?,5' *3' :3-,' +1441<)7.>' 1*' .9,' ;,-173)5' '
' 2 2 ' .9/*' 1*' .9,' 51:;7,-' =).' :3-,' /..-/<.1?,' ' '
' /*+' /' 9)*+-,+' 51:17/-'+,./175' 1*/77>' =,43-,' <->5./7715@
1*2' /' E)+2:,*.' <-1.1<5' 593)7+' ,*+,/?3)-' .3' 5,,' /' 4,8' 5,<3*+@
,-' .91-+ -/.,' ' .' 15' /.' .9,5,' .9/.' .9,' -,7/.1?,' ?/7),5' 34'
.9,' 43-<,5' 3;;35,+A=-).,' 5.-,*2.9' /*+' 9):/*' 50177A/-,' +15@
;7/>,+' 1*' .-),-' /*+' :3-,' 5;,/01*2' <3*.-/5.' .' 5,.' =)77 4129.5'
34' .9,' 41-5. <7/55' .9,' 7/..,-' 6)/71.>' 15' 34.,*' 53' :/-0,+' /5' ;/-.7>'
.3' 3=5<)-,' .9,' +1441<)7.1,5' /*+' +/*2,-5' 1.' 5)-:3)*.5' /.<9'
' 34' 41*159,+' 50177' /*+' .9,' 2/:,' 5,,:5' ,/5>A/5' 89,*'
53:,' ;9,*3:,*/7' =/.5:/*' 8,77' 5,.' 0*3<05' .9,' =,5.' =3871*2'
1*' *27/*+' /77' 3?,-' .9,' 41,7+' ,.' .9/.' =3871*2' .9,' ,C;,-.'
0*385' 15' *3.' ,/5>' 3-' /-,' .9,' =)775' .' 5,<3*+-/.,' 4129.5'
.9,' 43-<,5' ;7/<,+' 4/<,' .3' 4/<,' /-,' :3-,' ,?,*7>' =/7/*<,+B /*+'
.9,-,' 1.' 15' 34.,*' .9,' =)77' .9/.' 5<3-,5

' ' %

' -/21*2' <3*.-3?,-5>' 177):1*/.1?,' 34' /)-3:/<91/' 9/5'
-,<,*.7>' 5;71.' 1*.3' .83' </:;5' .9,' =)77 4129.1*2' 83-7+' /*+'
/21./.,+' 3*, 9/74' 34' ;/1*' 9,' =-,,+1*2' 34' .9,' 4129.1*2=)77'
15' 1*' .915' <3)*.->' /' 5,:1 5,5.9,.1<;)-5)1.' /*/7323)5' .3' .9/.' 34'
593-.93-*5' 3-' -/<,93-5,5' 1*' *27/*+' /*+' .9,' ;355,5513*' 34' /'
3./=7,' 9,-+' .9,' /:=1.13' 34' :/*>' 34' .9,' 2-/*+,,5' /*+' =12'
7/*+38*,-5' 34' ;/1*
:3*2' .9,' ?/-13)5' <-/<0' 9,-+5' .9/.' 34' 3*' +)/-+3' #1)-/'
34' ,?177/' 9/+' /78/>5' 3<<);1,+' /' ;-3:1*,*.' -/*0B 8917,' +)-1*2'
-,<,*.'>,/-5' .9,' ;38,-' /*+'+/591*2' ;-38,55' 34' .9,' @ ' =)775'
9/+' -/15,+' .9/.' =-,,+' /7:35.' .3' /' 7,?,7' /;/-.' 1*?,5.,+' 81.9' /'
9/73' 34' 5,:1 :>5.,-13)5' 6)/71.>' /;.)-,5' 3<<)--,+' /.' ,?,->'
B :/*' /4.,-' :/*' 9/+' 23*,' +38*' =,43-,' .9,5,' -,+3)=.,+'
<9/:;13*5' /*+' .9,' :1*+5' 34' 5)-?1?1*2' :/./+3-5A5/.)-/.,+' 3*,'
/*+' /77' 81.9' 21;5>5;-)*2' 5);,-5.1.13*A=,2/*' .3' /..-1=).,' 5,<-,.'
3-' 5);,-*/.)-/' ;38,-5' .3' .9,' +-,/+,+' 9,-+' 3.' /' 583-+5:/*'
=).' 4,7.')*83*.,+' 6)/7:' 89,*' :,,.1*2' /' @ ' 3*' .9,' 5/*+,+'
/-,*/' 938>';7/>,-5' 81.9' .9,' ' /*+' .9,' =/*+,-17735';-3?,+'
</;/=7,' 34' 21?1*2' /..-/<.1?,' ,C91=1.13*5' =).' 1.' 8/5' /*3.9,-'
:/..,-' 89,*' .9,' :/./+3-' 5.33+' /73*,' 4/<,' .3' 4/<,' 81.9' 915' 43,'
?,*' 5,<3*+<7/55' ' </*' 81.9' /7:35.' /*>' =)77' 5938' 344'
.9,1-' /<<3:;7159:,*.5' 1*' .9,5,' 7129.,-' 5./*<,5B =).' 1*' .9,

5);-,:,'-Q7,A.9/.'34'01771*2'.9,'=)77'/5'/-.'+,:/*+5A.9,-,'15'*3'-33:'43-'9/74:,/5)-,5'3-'+,<,;.13*5'3'?/73)-'/=171.>'
:)5.'=,')*1.,+'9,*'.935,'.83'J6)/71.1,5'/-,'*3.'=3.9'<3);7,+'/*+'=/7/*<,+'.9,*'3*,'34'.83'.91*25'9/;;,*5'V 1.9,-'.9,'5<,*,'
=,<3:,5'/'+)77'3*,'/':1C.)-,'34'4)*0'/*+'4,,=7,*,55':/+,';/.,*.'
/77'-3)*+'B 3-'+15/5.,-'15'/.'9/*+' 915'3*,'9,/-5'43-,</5.'1*'.9,'
5.-/*2,'<-1,5'34'.915':,-1+13*/7';,3;7,A4-3:'/77'51+,5'<3:,'.9,'
593).5'34'4'% G' % 'G5' 38'% '15'.9,'*/:,'34'.9,':/.,-1/7'
81.9'891<9'.9,'5.-,.<9,-5'43-'.9,'0177,+'/*+'83)*+,+'/-,'<3?,-,+'X
.'.915';,-13+'D5):::,-'34'L"!&'/'<3:=1*/.13*'34'.9,'=)77@
4129.1*2'<-/4.'/..,:;.,+'/'=3><3..'34'.9,'#1)-/'9,-+'3-'/.'7,/5.'
+3)=7,';/>'43-'01771*2'.9,:' 915'8/5'+3*,'5,<-,.7>'/.'41-5.'
51*<,'*,1.9,-'83)7+'3;,*'<3*4,5513*'-,+3)*+'.3'.9,'<-,+1.'34'.9,'
G';12./17H'*3-'+1+'1.';-3:15,'4/?3)-/=7,'-,<,;.13*'=>'.9,';)=71<
.'.915'<3*E)*<.)-,'/'*3./=7,' 3<<)--,+'/.',?177,A'
51C'@ '=,1*2'715.,+'43-'.9,'4129.' 1</-+3' 3--,5'D 3:=1./'
'+,5;/.<9,+'915'41-5.'81.9'/77'5,-,*1.>'/*+'?/73)-'81.9'915'
5,<3*+'/':/2*141<,*.'/*1:/7'83-.9>'34'/'-3>/7';/2,/*.'9,'83)7+'
+3)=.7,55'9/?,'<3:;3-.,+'91:5,74'81.9',6)/7'5017'=).'43-'/*'
,C.-/*,3)5'1*<1+,*.'';3*'-)591*2'1*.3'.9,'/-,*/'.915'=)77'9/+'
/.'3*<,'1:;/7,+'/'43379/-+>'/:/.,)-'*/:,+',;1*'3+-12),I'893'
D6)1.,'/2/1*5.'/77'-,<32*15,+'-)7,'9/+':/+7>'5;-)*2'1*.3'.9,'-1*2'
9,';33-'4,7738'8/5'=3-*,'3).'3*7>'1*'.1:,'.3'-,<,1?,'.9,'7/5.'
-,71213)5'-1.,

.'.9,';-,<15,':3:,*.'89,*'1</-+3'5.,;;,+'43-.9'.3':,,.'
915'43,'.9,':)-:)-'-,/<9,+'915',/-A ,;1*'8/5'+,/+'/*+'915'
5);,-5.1.13)5'53)7'5/*0'+38*'.3'I,-3'/.'.9/.'8915;,-'4-3:'81.93).'
9,*'.9,'<-1.1</7':3:,*.'/--1?,+A.9,';3;)7/-':/.+3-'5.33+'
;/7,$*,-?,7,55'1*</;/=7,' 9,*'.9,'5<3-*'34'.9,':129.>'<-38+'
=)-5.'43-.9'1*':3*5.-3)5'>,775' 1</-+3' 3--,5'9/+'4/77,*'4-3:'
.9,';1**/<7,'34'4/:,'.3'.9,'7,?,7'34'/'<7):5>',21**,-' *'/'
:3:,*.'9,'8/5'+152-/<,+'915'1*<-,/51*2'-,;)./.13*')1*,+'43-'
,?,-')*+,-'.9,',>,5'34'/77'.9,'83-7+A/*+'.9/.'=>'/'@ '=)77'
-3:'.9/.':3:,*.'9,'4/77,*'5./-'3-2/*15,+'915'<377,/2),5'1*'
3;,*',=,7713*'/2/1*5.'.9,'?1<.3-13)5'=-,,+

9,'71*,'34'/<.13*'/+3;.,+'8/5'.3'/=)5,'/*+'71=,7'.9,'1*<-1:1*@
/.,+'9,-+' .'8/5')-2,+'.9/.'.9,')775'7/<0,+'.9,'.-),'6)/71.1,5'
34'+/59'/*+'?/73)-'/*+'3*7>'5<3-,+'=>'.-,/<9,->'/*+',5;,<1/77>'
1*51*)/.,+'.9/.'.9,'>3)*2')775'8,-,',C;-,557>'./)29.'/.'.9,1-'
'3-'.-1/75'3*'.9,'3;,*';7/1*5'.3'+15<-1:1*/.,'=,.8,,*

59/+38‘ /*+‘ 5)=5./*<, A 1*‘ 3.9,-‘ 83-+5‘ .3‘ 5,,0‘ .9,‘ : /*‘ /*+‘ +15+/1*‘ .9,‘7)-, A .915‘ */.)-/77>‘ : /01*2‘ .9,‘ -37,‘ 34‘ : /./+3-‘ : 3-,‘ +/*2,-3)5‘ /*+‘ +3)=7,‘ ; />‘ 8/5‘ +, : /*+,+‘ 3‘ 3).51+,-5‘ 1.‘ 83)7+‘ /;;,/-‘ .9/.‘ 3*‘ .9,‘ +/>‘ 89,*‘ =)775‘ 7,/-*‘ .915‘ =)77 4129.1*2‘ :)5.‘ <,/5,

‘ 5.3-:‘ =)-5.‘ .9/.‘ -/2,+‘ /77‘ 81*.,-A /77‘ <7/55,5‘ ./01*2‘ ;/-.‘ ;/1*‘ 8/5‘ -,*.‘ 1*‘ .8/1*B ;-,55‘ /*+‘ ;,3;7,‘ 9129‘ /*+‘ 738‘ E31*,+‘ 155),‘ 1*‘ .915‘)*5,,:7>‘ 8-/*27,‘ ,‘ </**3.‘ 9,-,‘ ,*.,-‘ 1*.3‘ +,./17‘ 34‘ .9,‘ ?/-13)5‘ 5<9,:,5‘ 4/1-‘ /*+‘)*4/1-‘ 89,-,=>‘ .9,‘ =)77 4129.,-5‘ 2)17+‘ 53)29.‘ .3‘ E)5.14>‘ .9,1-‘ /<.13*‘ /*+‘ .9,1-‘ +,:/*+5‘ /*+‘ .3‘ ;-,E)+1<,‘ .9,‘ .,--1=7,‘ @ ‘ 1*‘ .9,‘ ;)=71<‘ ,>,‘ 9,>‘ 8,-,‘ 5,<3*+,+‘ =>‘ : 35.‘ ;-34,5513*/75‘ 34‘ -,*38*‘ /*+‘ 533*‘ /77‘ =).‘ 5,?,*‘ 9/+‘ E31*,+‘ .9,‘ 7,/2),‘).‘ .9,‘ 56)/==7,‘ 81.9‘ 1.5‘ -,5)7./*.‘ 7/8@ 5)1.5‘ /*+‘ 53-+1+‘ 41*/*<1/7‘ /5;,<.‘ 41*/77>‘ +152)5.,+‘ .9,‘ ;)=71<

,,+7,55‘ .3‘ /++‘ /‘ <3)*.,-/553<1/.13*‘ 34‘ =)77 =-,,+,-5‘ 9/+‘ =,,*‘ 43-<,+‘ 1*.3‘ ,C15.,*<,‘ 891<9‘ ,?,*.)/77>‘ +,5;1.,‘ ?/-1,+‘ /*+‘ ;/-.1<)7/-‘ ;,-53*/7‘ 1*.,-,5.5‘)*83-.9>‘ 34‘ +,41*1.13*‘)*1.,+‘ .9,‘ 3;;351.13*‘ 9‘ X 1.‘ 8/5‘ /‘ ;-,..>‘ 6)/--,7‘ /*+‘ 3*,‘ 1*‘ 1.5‘ ,55,*<,‘ ;,<)71/-‘ .3‘ ;/1*‘).‘ 1.‘ 9,7+‘ .9,‘ 8937,‘ <3)*.->‘ ,*2/2,+‘ /77‘ 81*.,-‘ 1*‘ .9,‘ .9-3,5‘ 34‘ /‘ 5,:1<1?17‘ 8/-‘ X

.‘ .9,‘ 41-5.‘ ‘ 34‘ .9,‘ 43773381*2‘ 5,/53*A 9,7+‘ /.‘ 71</*.,‘ /*)/->‘ L&‘ L"!"‘ /*+‘ 2-/<,+‘ =>‘ .9,‘ ;-,5,*<,‘ 34‘ P1*2‘ 743*53‘ N ‘ 1*‘ ;,-53*A .9,‘ ;)=71<‘ +,71?,-,+‘ .9,1-‘ ?,-+1<.‘ 41771*2‘ .9,‘ 7/I/‘ .3‘ 3?,-47381*2‘ /7.93)29‘ .9,‘ 8937,‘ 34‘ .9,‘ 51C‘ <9/:;13*5‘ 8,-,‘ 34‘ .9,‘ <3*+,:*,+‘ #1)-/‘ 7-,,+‘ /*+‘ .9,‘ :/./+3-5‘ _)1*1.3‘ /*+‘ ,--,‘ =,73*2,+‘ .3‘ .9,‘ -,</7<1.-/*.‘ ,?,*‘ 9,‘ =)77 4129.,-5‘ 2)17+‘ 9/+‘ -,<,1?,+‘ /‘ 4/./7‘ =738

)<9‘ 8/5‘ .9,‘ 51.)/.13*‘ .9,‘ :,*./7‘ ,6)171=-1):‘ =,.8,,*‘ .9,‘ 41,-<,7>‘ <3*.,*+1*2‘ 4/<.13*5‘ /5‘ .9,‘ <-)<1/7‘ ;,-13+‘ /;;-3/<9,+A‘ .9,‘ /5.,-‘ ‘ /.‘ ,?177,‘ 9,‘ ‘ 34‘ .9/.‘ 4)*<.13*‘ 9/?1*2‘ 4)77‘ 2-1;‘ 34‘ .9,‘ <1-<):5./*<,‘ ,*2/2,+‘ :/./+3-5‘ 34‘ :1*3-‘ -,;).,A ,;,.,‘ #3-,*3‘ +,‘ 7</7+‘ /*+‘ #/-.1*‘ /56),I‘ 77‘ .9-,,‘ /7.93)29‘ =).‘ 34‘ 5,<3*+‘ -/*0‘ 8,-,‘ ;3;)7/-‘ /*+‘ -,2/-+,+‘ /5 <3:1*2‘ :,*

7/:1*2‘ ;35.,-5‘ /**3)*<,+‘ .9/.‘ 51C‘ <9/:;13*5‘ 34‘ .9,‘ #1)-/‘ =-,,+‘ 83)7+‘ 4/<,‘ .9,‘ 583-+5:,*

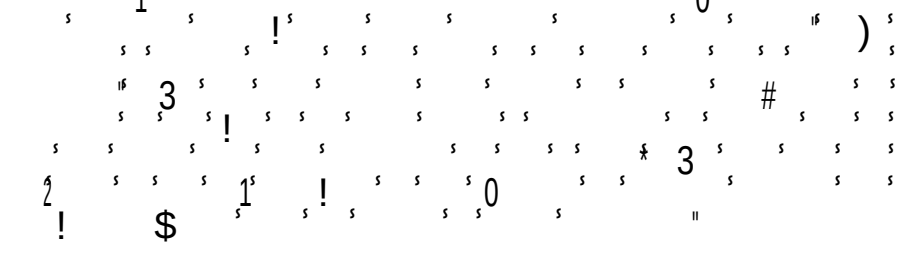
9,‘ 3<</513*‘ 8/5‘)*16),‘ /*+‘ ‘ +)/-+3‘ #1)-/‘ -35,‘ .3‘ :,,.‘ 1.‘ ;-,5,*.1*2‘ 51C‘ =)775‘ 34‘ 1*<3:;/-/=7,‘ =,/).>‘ :/2*141<,*.‘ 1*‘ 41*,‘ 71*,5‘ 1*‘ +/59‘ =-).,5.-,*2.9‘ /*+‘ ?/73)-‘ >,.‘).,.-7>‘ +,?31+‘ D/5‘ .9,‘ ,?,*.‘ ;-3?,+‘ 34‘ 2)17,‘ 3-‘ 7)-01*2‘ .-,/<9,->‘)<9

/*1:/75' /5' .9,5,' 51C' +,:/*+,+' /' 3:,-3' /' #3*.,5' 3-' /' $),--1./' /5' ,6)/75'B 1*5.,/+' .9,5,'>3)*2'. '893'4/<,+'.9,:' <3)-/2,3)5' .93)29' .9,>' 8,-,' 7/<0,+' </71=-,' 43-'5)<9' /*')*+,-@ ./01*2' 915' ' :/-0,+' /*' ,;3<9' =).' 1.' /<6)1-,+' .9,' ;-3;3-.13*5' 34' /'</./5.-3;9,' 9,' =>, 83-+' .9/.' G' 89,-,' .9,-,' /-,' =)775' .9,-,' /-,' *3' :/./+3-5'H' =,</:,' .9/.' /4.,-*33*' /*' /C13: ' ' 3-' /.:35;9,-,' 34' 5);,-5.1.13*' 5)--3)*+,+' .9,' =)775' /*+')**,-?,+' 3-' <3*43)*+,+' .9,1-' 3;;3*,*.5' ,;,.,' 8/5' </)29.' =>' .9,' 41-5.' =)77' #3-,*3' +,' 7</7/' =>' .9,' 43)-.9' 8917,' #/-.1*' /56),I' D/7-,/+>' .9-1<,' </)29.' 5)<<):=,+' .3' .9,' 414.9

9,' 51C.9' =)77' .9)5' -,:/1*,+')*3;;35,+' <9/:;13*' 34' .9,' 7/I/A *3.' /' :/./+3-' 5)-?1?,+' .3' 4/<,' 91:' /*+' 1.' =,</:,' *,<,55/->' .3' ,*.1<,' /*')*43)29.' =)77' D=>' :,/*5' 34' .-/1*,+' 3C,*' .3' 6)1.' .9,' /-,*/A /*' ,?,*.' *;-,<,+,*.,+' 1*' .9,' /2, 73*2' /**/75' 34' /)-3:/<9>' X

' .>;1</7' 1*<1+,*.' .-1?1/7' =>' <3:;/-153*' 1*.,-?,*,+' ' >3).94)7' 5;,<./.3-' 4-,*I1,+' .3' :/+*,55' =>' .9,' 5<,*,' 9/+' 5,1I,+' /' 583-+' 7,/;.' 1*.3' .9,' -1*2' /*+' ' ' ' ;-3:;.7>' :,.' 915' +,/.9

?,->' <3*.,*.13*' 34' .9,' =)77 4129.,-5' 2)17+' 9/+' =,,*' 4/75141,+' /*+' .9,' /553<1/.13*' <377/;5,+' ' ,?1771/*';/;,-' 5):::,+');' .9,' ,?,*.' .9)5



:' JJ

' ' $

' : , . ' 3) -' .-13 ' 3*' .71, ' ; 7 / .43- : ' 34' 9 / -1*2' -355 A *3.' <7 / 551<' =) .' ; , -9 / ; 5' 915.3-1<' 2-3) *+ ' 51*<, ' 53' : / *>' *3. / =7, ' , C ; , +1.13*5' 9 / ?, ' 5. / -. , +' .9 , -, 4-3 : ' 81.9' 3.9 , -5' 34' 7, 55' 1 : ; 3-. / *<,

9, ' 9, / .' 1*' # / +-1+' .3 / -+5' .9, ' , *+' 34') 2) 5.' DL&"Q ' 8 / 5' *3.' , C<, 551?, A 7, 55' .9 / *' 8, ' 9 / +' 4, / -, +' ' , *E3>, +' .9 / .') *+ / >' 6) 1., ' / *' , C<, 77, *.' =) 77 4129. ' / 7.93) 29' .9, ' =) 775' .9, : @ 5, 7?, 5' 9 / +' =, , *' / +?, -.15, +' / 5' 34' G' 3*7>' 3*, ' 93-*' H' / ; 1, <, ' " ' ' ' 9, -, ' 8 / 5' *3' 512*' 938, ?, -' 34' / *>' <3-*) / 7' +, 41<1, *<>' / 5' , / <9' : / 2*141<, *.' / *1 : / 7' +/59, +' 1*.3 ' .9, ' / -, * / ' / 7.93) 29' 81.9' =1*3<) 7 / -5' 3*, ' <3) 7+' +, . , <.' / ' 57129.' 5 ; 71*. , -1*2' 34' 3*, ' 93-* ; 31*. ' / ' +, 4, <.' 891<9' 9 / +' </) 5, +' .9, ' -, E, <.13*' 34' .9 / .' / *1 : / 7' 4-3 : ' .9, ' 9, -+ 715. ' 3-' .9, 5, ' =) 775' 8, -, ' 1*' 4 / <. ' 34' *3. / =7, ' =733+ A .9 / .' 34' =/ -- / ' 34' , ?1771 / *' A / *+' *3*, ' =, / -1*2' .9 / .' * / : , ' / ; ; , / -' 1*' 41-5. <7 / 55' ' 5 / ?, ' / =537) . , 7>' ; , -4, <.' / *+') *=7, : 159, +

9, ' ; 31*.' 177) 5. - / . , 5' .9, ' 0, , *' / ; ; -, <1 / .13*' 34' 6) / 71.>' 1*' .9, ' 4129.1*2 =) 77 ' 891<9' 1*' ; / 1*' 23, 5' 81.93) .' 5 / >1*2 ' >, .' : / >' 8, 77' +, @ <, 1?, ' .9, ' </5) / 7' 5.- / *2, - ' 9) 5' / *' : , -1</ *' ; / -.>' 893' =-, / 04 / 5., +' 81.9') 5' D / 78 / >5' 0, , *' .3' 2, .' .9, ' =, 5. ' =) .' *3.' / 78 / >5' 0*381*2' 89, -, ' .3' 41*+' 1. ' +, 5 ; 15, +' .9, ' G' *1<3-*5' H' / *+' -, 5, -?, +' .9, : @ 5, 7?, 5' 1*5. , / +' 43-' .9, B' 3 ; , - / ' ' , *E3>, +' / *' , C<, 77, *.' 4129.' 81.9' +/591*2' =) 775 A .83' <7, / -1*2' .9, ' =/ --1, -' / *+' </) 51*2' / ' 41*, ' 5. / : ; , +, ' / : 3*2' .9, ' : 171. / -> ' .9, ' ; 371<, ' / *+' <-38+5' 34' 1.1*, - / *.' 4-) 1. ' / *+' 8 / . , - 5, 77, -5' 893' 3<<) ; >' .9, ' - 2

9, 5, ' G' *1<3-*5' H' ; -3?, +' -, / 77>' =, . . , -' =) 775' .9 / *' / .' : / *>' 34' .9, ' 43- : / 7' ' 9-, , ' >3) *2' / *+' -151*2' : / . / +3-5' +, 5 ; / .<9, +' .9, ' / *1 : / 75 A .83' , / <9 ' 9, >' 8, -, ' $ / 71*+3 ' $ / ?1- / ' ' / *+' / --/ 3 A ' =3.9' .9, ' 7 / . . , -' , C<, 77, *. ' $ / ?1- / ' 7330, +' / 5' 14' 9, ' : 129.' . / 0, ' 41-5.' - / *0' 1*' 915' 3-+, - ' 8917, ' / --/ 3' +15 ; 7 / >, +' / ' <337*, 55' 1*' .9, ' ' 5) <9' / 5' 8, ' 9 / +' 5, 7+3 : ' =, 43-, ' 5, , * , ?, *' .3' 5.-301*2' .9, ' =) 77 5

) !' (' 8 ('+ 4

35, A 8917,' 1' .9,' 41* /7' 5<, *,' 9,' 8, *.' 1*' .3' 5)<9' <735,' 6) /-., -5' G' ; /551*2'H' .9,' /*1 : /7' /.' 9/74' /- : 5 7, *2.9' .9/.' .9,' 8937,' L! !!!' 1*' .9,' 7/I /' 9,7+' .9,1-' =-, /.9' /--/3' 8177' =,<3 : ,' /' 41-5. 41129., -') *7,55' 9,' 15' </) 29.' 891<9' <, -./1*7>' 5, , : 5' .9,' : 3-,' */.) -/7' ,?, *.

9/.' ,?, *1*2' 8,' 8, -,' 935; 1./=7>' , *., -./1*, +' /.' .9,' -1.159' : =/55>' 89, -,' 3) -' 935.' .9,' 9/-2+' + 41/1-, 5' -, 2-, . . , +' .9/.' .9,' 593-.' 43) -., , * +/>5' -.37/*' 5, /53*' 9/+' E) 5.' .9/.' : 3-*1*2' , C; 1-, +' 9) 5' 6) 1.,') *<3*5<13) 57>' 8/5' /*' 3-*1.937321</7' 4/<.' , 7) <1+/., +

, C.' : 3-*1*2' 8,' 8, -,' /8/>' =>' /*' , /-7>' .-/1*' /*+' /4., -' 41?,' 93) -5' E3) -*, >' E31*, +' 3) -' 5./44' /5' ; -, /--/*2, +') .' 9, -,' 8,' <3 : : 1.., +' .9,' : 15./0,' 34' 6) /-., -1*2' 1*' /' <3) *.-> .38*' 3*' .9,' =/*05' 34' .9,' /2) 5' 1*5., /+' 34', *</ : ; 1*2' 1*' .9,' 3; , *' <3) *.->' 3) .51+, ' 1.., -7>' +1+' 8,' -, 2-,.' 9/?1*2' /7738, +' 3) -5, 7?, 5' .3' =,' .9) 5' ; , -5) /+, +' 3*2' 5) : : , -' 9, /.5' /*+' ; /-<91*2' +-3) 29.' 9/+' +, 5.-3>, +' 89/.' ; -1 : 1.1?,' 5>5., :' 34' */.) -/7' +-/1*/2,' : />' 9/?,' , C15., +' 1*' /7/?, -/' +, ' 7/' , 1*/' /*+' ; -3+) <, +' <3*+1.13*5' .9/.' 8,' -, ?37.' 4-3 : ' +, 5<-1=1*2' 9' X .935,' 43) 7' , 447) ?1/' / : 1+5.' 891<9' : , *' 71?, ' /*+' 4, , +' /*+' 57, , ;' X

1.9' 1*., *5,' +, 7129.' =) .' 5; 71..1*2' 9, /+/<9, 5' 8,' 7, 4.' .9,' ; 7/2), 5; 3.' /.' , /-71, 5.' +/8*' /*+' 5, .' 3) .' 43-' .9,' : 3) *./1* 7/*+' 3-' .91-.>' 3++' : 17, 5' 3) -' -3) ., ' .-/?, -5, +' /' 91297/*+' ; 7/., /) B' /' 2-3) ;' 34' 41?,' 2-, /.' =) 5./-+' 2/5; 1*2' 1*' .9,' *33* +/>' 9, /.' 7/>' /57, , ;' 53' *, /-' .9,' .-/<0' .9/.' 8,' .-1, +' /' 593.' 81.9' =/77' /-.9, -' *3-.9' *, /-' # , +1*/' +, 7' / : ; 3' 8, ' 9/+' /753' 3=5, -?, +' .9, 5, ' 2-/*+' 2/ : , =1-+5' 4, , +1*2' 3*' .9,' -1; , *1*2' 2-/; , 5' 1*' .9,' ?1*, >/-+5' /<05' 34' 5/*+ 2-3) 5,' >* ' ' 81.9' :) 51</7' <-3/0' 47, 8' <735,' /-3) *+' ; /*159' /I) -,' : /2; 1, 5' /=3) *+, +' 89, -, ?, -' 3) -' -3) .,' ; /55, +' .9-3) 29' 833+, +' 5.-, .<9, 5' /*+' 8,' /753' 3=5, -?, +' +3?, 5' =, , , /., -5' 5.3*, <9/.5' <-, 5., +' /*+' </7/*+-/' 7/-05' -/?, *5' /*+' 3?, -' 53 : ,' <3-0 3/05' 89, , 7, +' /' 5, -; , *. , /27,' 59381*2' ?, ->' 891.,' =, 738

38/-+5' , ?, *1*2' .9,' .-/<0' =, 2/*' .3' /5<, *+' .9-3) 29' .9,' 738, -' +, 417, 5' 34' .9,' 2-, /.' <3-+177, -/' .9/.' *38' ; 1, -<, +' .9,' 9, /?, *5' /9, /+' -, 5, *.7>' 8,' , *., -, +' ; 1*, 833+5' -, 53*/*.' /.' +) 50' 81.9' .9,' -/) <3) 5' ?31<, 5' 34' : 17713*5' 34' 81*27, 55' 2-/5593; ; , -5' 3-' 73<) 5.5' D8,' 0*38' *3.' .9, 1-' ; -, <15,' */: , ' .9/.' 71?,' 9129' *; ' 1*' ; 1*, 5' , ?, -' =, 43-,' 9/+' 8,' 9, /-+' 5) <9' 5.-1+, *.' ?31<,' 1*' /*' 1*5, <.

At 4000 feet we encamped beneath the pines by a lovely trout-stream. This was the rendezvous whereat by arrangement we met with our old friends the ibex-hunters of Almanzór—savage perhaps to the eye, yet beyond all doubt radiantly glad to welcome back the foreigners after a lapse of years. No mere greed of dollars inspired that enthusiasm, but solely the bond of a common passion that bound us all—that of the hunter. It was, however, but sorry hearing to listen to the reports they told us around the camp-fire. Everywhere the ibex were yearly growing scarcer, dwindling to an inevitable vanishing-point, former haunts already abandoned—or, we should rather say, swept clean. Where but a score of years before, 150 ibex had been counted in a single *montería*, our friends reckoned that exactly a dozen survived. One remark especially struck us. "There remained," with glee our friends assured us, "one magnificent old goat, a ram of twelve years, out there on the crags of Almanzór." *One!* To *one* sole big head had it dwindled?

The valley of the Tagus divides two geological periods, and perhaps at one time divided Europe from a retiring Africa. Marked differences distinguish the fauna on either side of the river, and that of the north (with its 10,000 feet altitude) promised reward worthy the labours of investigation. Not a yard of that great mountain-land of Grédos has been trodden by British foot (save our own) since the days of Wellington. Hence it was an object with us to secure, not only ibex heads, but specimens of the smaller mammalia that dwell in those heights. Our mountain friends assembled round the camp-fire—twenty-five in all—each promised to take up this unaccustomed quest and to regard as game every hitherto unconsidered *bicho* of the hills, whether feathered, furred, or scaled. If ibex failed us, at least a harvest in such minor game we meant to assure.[1]

"MINOR GAME"

Three o'clock saw us astir, bathing in the dark burn while moonlight still streamed through sombre pines. Camp mean-

[1] In particular, remembering an incident that had occurred here in 1891, and recorded in *Wild Spain*, p. 147, we were anxious to ascertain if the lemming, or any relative of his, still survived in these central Spanish cordilleras. The marmot is another possible inhabitant.

8917,' 8/5' =-30,*') ;B .,*.5' /*+' 2,/-' ;/<0,+' 3*' ;3*1,5' /*+' :)7,5' =-,/04/5.' 41*159,+A 8,' 8,-,' 344' 9,/?,*8/-+5' 9,*'E)5.' /5'.9,'7/+,*' ;/<0 /*1 : /75'417,+' .9-3)29'.9,'=)-*' .9,-,'-3+,') ;' /' : /*A 9,'9/+'-1++,*' /77' *129.A /*+' =3-,' /' : ,55/2,' .9/.' <9/*2,+' 3)-' ,C)=,-/*.'E3>' .3' 2-1,4A =/+' *,85'4-3 :' 93 : ,

9,-,' <3)7+' =,' *3' +3)=.A .9,' 8-1.,-' :)5.' -,.)-*' /.' 3*<,' 1.91*' 41?,' : 1*).,5' ' 9/+' +,<1+,+' .3' : /0,' 43-' /' ;31*.'3*' .9,' *3-.9,-*' -/178/>' =,>3*+' .9,' 91775' /*+' +15./*.' 53 : ,' 51C.>' : 17,5' /5' .9,' <-38' 471,5' /22/2,' /*+' =/..,->' 8,-,' /=/*+3*,+B /' 9/*+=/2' 81.9' /'5/.<9,7' 34' ;-3?1513*5' /*+' /' 81*, 501*' 43-: ,+' : >' 7)22/2,' /*+' 7,/?1*2' : >' <3 : ;/*13*5' 1*' .915' 817+' 5;3.' ' 5,.' 43-.9' 1*' .9,' 2-,>' +/8*' 3*' /' =/-,=/<0,+' :)7,' +,?31+' 34' 5/++7,' =-1+7,' 3-' 5.1--);5' /*+' /<<3 : ;/*1,+' =>' .83' 34' 3)-' 9177 =-,+' 7/+5' 3*,' -1+1*2' ;17713*' =,91*+' 3-' -)**1*2' /73*251+,' 1*' .)-*

9,-,' .9,' 2-,>' -/ : ;/-.5' 34' .9,' 15<3' +,7' -/17,' *+' .9,' /56),-/13' 4-38*' 3*' /' -)22,+' ,/-.9' =,738' ' ;/-.,+' 81.9' : >' 37+' ;/75' .9,>' .3' <3*.1*),' .9,' 1=,C 911*.' ' 3*' : >' : 3)-*4)7' 93 : ,8/-+' 8/>

,, ,/.,-5' ;315,+' /*+' <9/..,-,+' =-1771/*.' =)..,-471,5' D8935,' */ : ,5' '43-23.' .3' *3., ' /=3)*+,+' /5' 8,' -3+,' /73*2' .935,' 4,/-4)7' ,+2,5' /*+' =3)7+,-5.)++,+' 5.,,;5' 1C' 93)-5' 34' .915' =-3)29.')5' .3' /' -3<0 ;315,+' 9/ : 7,.' 34' .9,' 51,--/' 9,'7/*+73-+' 34' .9,' ' 8/5' /753' .9,' ' D : />3-' 34' .9,' +15.-1<.' /*+',?,*' .9,*' ;-,@ 51+1*2' 3?,-' /' : ,,.1*2' 34' .9,' <3)*<17" (' : 1+5.' +325' <917+-,*' 47,/5' /*+' +1-.' /73*2' 81.9' : >' .83' 23/. 9,-+' 4-1,*+5' 8,' : /+,' =-,/04/5.

9,*<,' 3?,-' .9,' : /1*' ;/55' 34' /?/53 : ,-/A *3' -3/+' *3.' .9,' ?,5.12,' 34' /' .-/<0' /*+' /' .-, : ,*+3)5' -/?1*,' 5.3;;,+')5' 43-' 93)-5' /*+' 43-' /' .1 : ,' .9-,/.,*,+' .3' ;-3?,' 1 : ;/55/=7,' >' ;/.1,*<,' /*+' -,<07,55*,55' 8,' 738,-,+' :)7,' /*+' 3)-5,7?,5' +38*' 5<-)=<930,+' 5<-,,5' /*+' /4.,-' 53 : ,' 34' .9,' -3)29,5.' 83-0' 34' : >' 714,' 2/1*,+' /' 23/. 9,-+5' .-/<0' 891<9' 7,+');8/-+5' .3' .9,' ;/55' 4.,-' <7,/-1*2' 3.9,' -,?,-5,' 573;,' 8,' .-/?,-5,+' 43-' .8,*.>' : 17,5' /' +-,/->');7/*+' DQ!!!' 4,,.' .177' 8,' 5.-)<0' .9,' 9,/+ 8/.,-5' 34' .9,' 7=1-<9,' -1?,-' 89,-,' : >' 7/+5' .1<07,+' 9/74 / +31,*' .-3).' /*+' /') ' X P1.,5' =,/.' /73*2' .9,' 5.3*>' 91775' 89,-,' 89,/.,/-5' /*+' 5.3*,<9/.5' 47)..,-,+' 1*<,55/*.' 81.9' +1;;,-5' /*+' 5/*+;1;,-5' 3*' .9,' =)-*' =,738

,' 9/7.,+' /.' /' 73*,7>' ' D8/>51+,' 81*, 593;' 89,-,' /55,:=7,+' 23/. 9,-+5' <3)-.,3)57>' : /+,' -33 : ' /*+' ;/55,+' : ,' .9,1-' 81*, 501*' -,5,*.7>' 3*,' 34' .9, :' /50,+' 891.9,-' ' 8,*.' -, : /-01*2

"Your Excellency is clearly not of this province." Three or four skinny rabbits hung on the wall, and the landlord, after inquiring what his Excellency would eat, assured me he had plenty of everything, was yet so strong in his commendation of *rabbit* that I knew those wretched beasties were the only food in the place. Presently with my two lads, and surrounded by mules, cats, dogs, poultry, wasps, and fleas, we sat down to dine on trout, rabbits-*á-pimiento*, and *chorizo* (forty horse-power sausage). I believe my boys also ate the frog!

Two hours after dark we were still dragging along the upland, while the outlines of the jagged cordillera behind had faded in gathering night. I could scarce have sat much longer on that bony saddleless mule when a light was descried far below, and, on learning that we were still twenty miles from our destination, I decided to put up for the night at that little *venta* of Almenge, sleeping on bare earth alongside my boys, and close by the heels of our own and sundry other mules.

At breakfast there sat down, besides ourselves and hostess, sundry muleteers, all sympathetic and commiserate since my mission had become known. I was hurrying homewards to distant Inglaterra—so Juanito had explained—because my brother was *poco bueno* —not very well. The hostess looked hard, and said, "Señor, it must be *muy grave* (very serious), or they would not have telegraphed for the *caballero* to return."

Many more hours of tedious mule-riding followed ere at last from lowering spurs we could see the end of the hills and the white track winding away till lost to view across the plain below.

Here in the highest growth of trees were grey shrikes (*Lanius meridionalis*), adults and young, besides missel-thrushes, turtle-doves, etc. On the level corn-lands below, which we now traversed for miles, we observed bustards (these, we were told, retired to lower levels in September)—nothing else beyond the usual larks and kestrels common to all Spain.

It was past noon ere the long ride was completed, and we

MOREZÓN. CUCHILLAR DE NAVÁJAS. ALMANZÓR.

THE CIRCO DE GRÉDOS.

LAGUNA DE GRÉDOS.
A BIRD'S-EYE VIEW—SHOWS THE AMEÁL AND CUCHILLAR DEL GUETRE.

LOOKING SOUTH ACROSS LAGUNA.
HERMANITOS—CASQUERÁZO.

SCENES IN SIERRA DE GRÉDOS.

(& (5()' (' $&+%(&' +% 4' $' #"$! !' #49"&(' 9'"5%(!' !,'(&)%)' (3,'(!' $&)' 3(3"5%(!' "6' 3()%$(8$'' 3$9&%%+(&+(' # ' 7 %+ ' %!' &"7' ' ' ' 7('' 8%'$' ' "&(' 6($ 5(' "6' 8%'$')(3$&)!',$!!%&9' &" (B % !' 3$!!%8(' 7$''!' 7% ! $&)%&9' (' +(& 5%(!' 6 '" 6"5 4' 6((' %& (%9 ' #4' 6%6 ((& 6((' #5"$)' & " 5' '$ (5' (')2' (*,5(!!')$! ()' ,' 7 %! '%&9' %& '" (' ! $ %"&' '" (' 9(& %&(' $'$5 3' "6' 34' '($ (52+'$)' 3" & $%&2'$)!' 7 '" 5(+'%'()' %& 6($5 65" & $& &7"& ()' !%9 ' (4' &" %+%&9' $' (' "6%+%$'!' "6' (' 5$%&' $'!'" !,": ($ 6"5(%9& "&9 (' L 5(&+ M' $!:()' 3(' %6 ! +' %&9!' " ' 5$%' 7$4' 5$%&!M 7(5(' >' "&'4' 6"5' 4" 5' *+(''(&+%(!?B 3($&%&9' 6"5' 6"5(%9&(5!' 2

.' /-15' /' -,/55)-1*2'.,7,2-/ :' 4177,+' :,' 81.9' E3>' 1*+,5<-1=/=7,' =).' 1*' 3*+3*' /*+' /.' 3-0' 4)-.9,-' :,55/2,5' 1*.,*5141,+' /*C1,.>' *')2)5.' "' ' -,/<9,+' 93:,R' /*+' 3*' .9,' ,?,*1*2' 34' ,;.,:=,-' %+3)=.5' 8,-',-,537?,+' /*+' .9,' 517?,-' <3-+' 8/5' 7335,+

9,' 7/I/' +,' 7:/*I+-' 81.9' 1.5' 1:::,+1/.,' ,*?1-3*:,*.' ;-,5,*.5' /' ;/*3-/:/' 34' :3)*./1*5<,*,->')*-1?/77,+' *3.' 3*7>' 1*' .9,' 8937,' <3-+177,-/' 34' $-R+35' =).' ;-3=/=7>' 1*' /77' ;/1*A 1.' :/>' =,'6),5.13*,+' 14' .9,' 83-7+' 1.5,74' <3*./1*5' /':3-,'5.-101*2'7/*+5</;,' .9/*' .9/.' 0*38:' /5' .9,' G' 1-<3' +,' $-,+35 H' -1,47>';)' /' ?/5.' <,*.-/' /:;91.9,/.-,' 34' -3<0 A-,/77>' 43)-56)/-,' D.93)29' 0*38*' /5' .9,' G' 1-<3' H' 1*' .9,' +,;.95' 34' 891<9' *,5.7,' /*' /7;1*,' 7/0,A 15' ,*<735,+' =>' 5.);,*+3)5' -3<0 8/775' /*+';-,<1;1<,5' 34' 2-/*1.,' B 53:,' 34' .9,5,' 5:33.9' /*+' 59,,-' 3.9,-5' -)22,+' /*+' +151*.,2-/.,+' 3-' =-30,*');' =>' 5*38 4177,+' 23-2,5' 34' 1*.-1</<1,5' .9/.' +,4>' .9,' ;38,-' 34' ;,*' .3' +,5<-1=,' 9-,' 34' .9,5,' ?/5.' :)-/' -/:;/-.5' 5./*+' /7:35.' -,<./*2)7/-' .9,' 43)-.9' 5933.5' 3).' 3=716),7>' .-/?,-51*2' .9,' /=>5:/' /*+' /77' =).' <7351*2' .9,' 43)-.9' 51+,' 34' 1.5' 6)/+-17/.,-/7' 9,' -3)29' 50,.<9:/;/.';' L(L' 59385' .9,' <3*412)-/.13*',..,-' .9/*' 8-1..,*' 83-+5' 8917,' .9,' ;93.35' <3*?,>' 53' 4/-' /5' 5)<9' </*' 53:,' 1+,/' 34' .9,' 5<,*,->R

(' $+ $' ,($:' "6' '3$&=)5' 7 %+ ')"3%&$ (!' (' 7 "'(' >' %5+"? $!' 8%(7()' 65"3' (' &"5' + '3%&$ (!' %& $ 6'$ (&()' +"&(' (' ! 33%' #(%&9!,'%' %& " 7" 9(' 5"+:2&(()'(!' "5' ,%&&$+'(!' !(,$5$ ()' #4' $& &6$ "3()' 6%!! 5(' #(7((&' &'4' "&(' "6' (!(' &(()'(!B$&)' $' (' '"7(5B $!' 4(' #((& !+$'()' (' '"6%(5' "6' (' ,$%5' " 9' %' "&'4 ! 5,$!!(!' %!' 6('"7' #4' $

' 3-' .9,5,' /5' 8,77' /5' 2-/;91<' *3.,5' 3*' .9,' 5)=E,<.' 8,' /-,' 1*+,=.,+' .3' -' ' #/*),7' ' +,' *1,I+/' .9,' :35.',C;,-1,*<,+' /*+' 1*.-,;1+',C;73-,-' 34' .9,' 1,--/' +,' $-#35

6(7 4$5)! %& (%9 % ! ! ! ((5 % ! ! 56$+(!) (8"%) "6 +5(8%+("5 $&)2 ") $ ($!+(& L7% " 5", (! $&) " (5 $, , '%$&+(! $, , ($5! ; % (%3, 5$+ %+$#'(

%' (5($) (5 !($ %3!('6 %& %3$9%&$ %"& $ (!, " 3$5:() L]M "& (3$, 58(4%&9 (!+(&(65" 3 %! , "%& (7 " (", , "!% ("5%="& %! 6%'' () #4 (' "!) ("5(="&B $ $99() $&) 55(() (!+$5, 3(& , %(5+(! (! :4 7 %'(% ! 65" 7&%&9 7$'' !) %,) "7&) "7& %& (&)'(!! ,5(+%, %+(! " (%&:42#'$+: 7$ (5! "6 ($9 &$ 6$5 #('" 7

"7$5)! ('(6 "&(E! 8%(7 %! %& (55 , () #4 $& (* 5$"5)%&$54 3$!! "6 ,! $&)%&9 95$&% ( )%!%& (95$ () $&) #'$+:(&() #4 ($9(! :&" 7& $! (3()") ($#' " B %& % !('6 $ 8%59%& 3" & $%& $! 4(& 5")) (& #4 3$& 6" " % ! +" '" !! ! 9'% (5%&9 7% ! !&" 72! 5%$(! 53" & ! ("#'%; (5%)9($6"5(!$%) $ "6 (+ %'' $5) (" (5(7 %+ 5$8(5!(! 7"2 %5)! "6 (> %5+" ? '($8%&9 # $ & &$55" 7 9$, #(7((& % ! " 7& (* 5(3% 4 $&) (", , "!% ((%9 ! "6 "5(=)&

"& %& %&9 " 7$5)! (5%9 (5(5%!(! " 4('" 6 %(5 $' %) (! (#'$+: +"& " 5 "6 (%!+") (" 5$%' (#(' "8() "6 %#(*H 7 %'($) $+(& "& (&"5 27(! # "& !%9 '4 '" 7(5 '(8(' ,5($5 65" 3 (!&" 726'(+:() ! :4'%&(E 5((3"5(&!($'() 3$!!(! B 5(+ $&9 '$5 3"&"' % ! '%:(9%$& '$&) 3$5:! %! 5%" %!)%! %&9 %! () $! "! (53$&% "!) (5)) "! (%5 $#5 , &(!! "6 " '%&($'3"! $, , $'%&9 $! !(' "66 #4 $& $= 5(#$+:95" &)

$5 (5 " (5%9 L%& ($&9'("6 (!; $5(M 7" 3"5(3" & $%&2 3$!!(! B :&%6(2()9() $99() $&) (3#$ '() $'"&9 (+5(! ! B 65" 7& ,"& "&($&" (5 $+5"!! $ 9"59(5(& 5" 9 (%5 8(54 #" 7('! (!(7" $5((' ") (" $!; (5)=" $&) (+ %'' $5) ('$! 8 $!' 7 %'((%& (5, "!() $#4!! B ("5 %'' $) ('"! $+ "! B + ! +'($& 5" 9 (95($ +"5)%'' (5$ 6"53%&9 $ && 5$" 9$ (7$4 #(7((& % ! &"5 (5& $&) % ! !" (5& 6$+(! ! (&&3(%3, '%(! %! 9"59(%! (3$%& 5" ("6 (%#(* 65" 3 (%5 3 + 2'"8() %!+"!) (" 5$%' (" (%5 !(+"&) + %(6 5(!"5 (%!+"!) (" 5$&+(! 7 %+ " ++ , 4 (!" (5& 6$+("6 (!%(55$ 7 "!(!&" 76%(') !) (64 (8(& (($! "6 9 !

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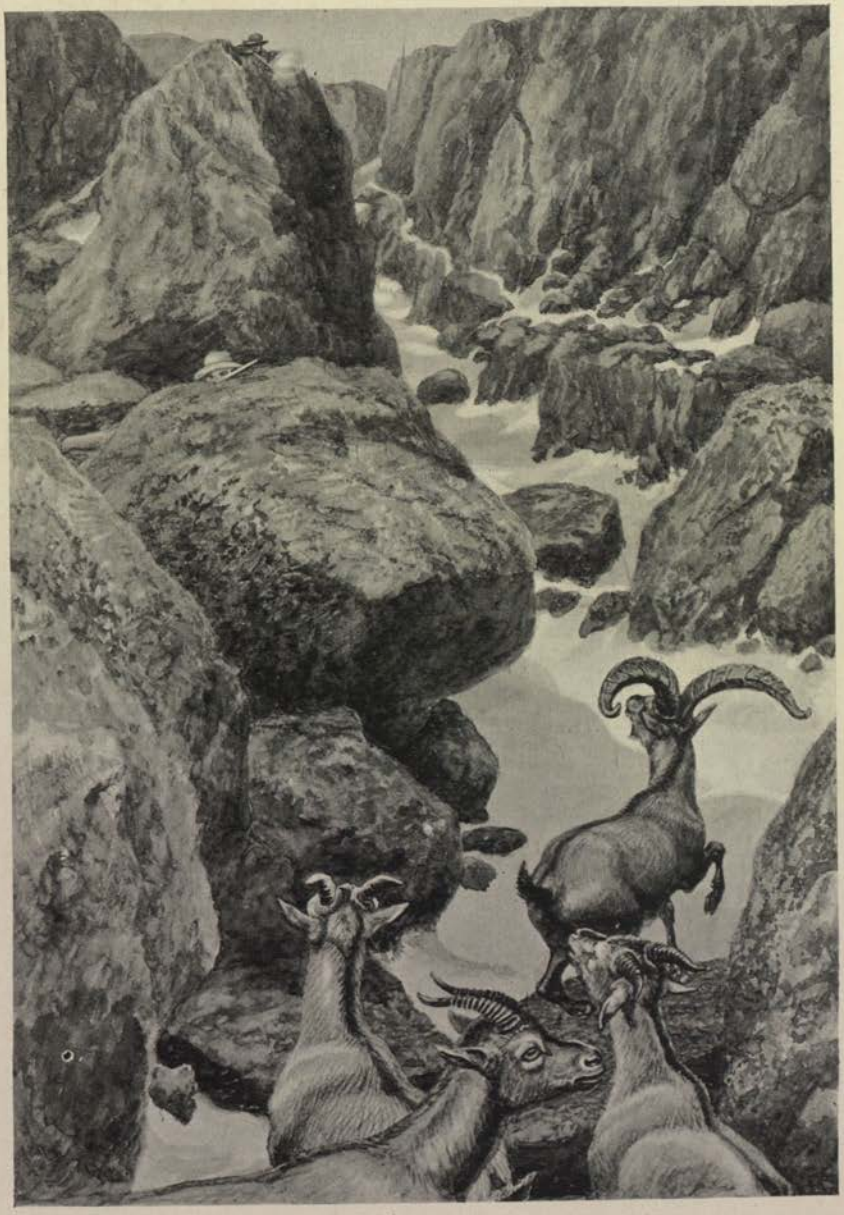
Almanzór a second deep gorge or "pass"—the Portilla Bermeja —unites the northern and the southern faces.

Behind where we sit lies yet another panorama of terrible wildness, again dominated by rock-walls of fantastic contour—the valley of Las Cinco Lagunas. But right here our rock-descriptive powers give out—we can only refer to the map.

GRIFFON VULTURE AND NEST



"At the Apex off All the Spains."

(Ibex on the Plaza de Almanzór.)

)%!$, , ($5%&9 %& " , , "!% ( )%5(+ %"&!' !'' $!' '' (&+"3 ,$!!' #" ' (! 55" &)%&9 5"+:25$&9(!' $&)' '' 3$5:' %#(* %& ! $':$#'(,"!% %"&!' (7% ()' (%5 5(5& %& +$3 , ' &" ' "&'4 7% ' $&*%(4' # ' 7% ' !"3(%3 ,$ %(&+(' !%&+(((3 ,(5$ 5($)'6$"'(& !'' '"7 $' &" 75$, !' "5 #'$&:(!' !(58()' '' :((,' !' 7$53' 7 %'(%&$+ %8(6 (5'$65 % '(!!' !($5+ ' "66" 5 " 5!' (!+" !' 5(5&()'Ĥ &" #((55(! ' !'$ (&)()'$!(+"&)' 3"5&%&9 $&)'$ %5) B &"5 " 5%3I ,$ %(&+(' '($5'4 (!(+"&)'5(!" 5+(' $' "6>)5%8%&9 ? 3 !' &"7 #(5%()' ' 7$!' "&'4 (& "Ł+'"+:' $' %5)' 3"5&%&9' $&)' $'5($)4 ( )5%8(5!' 7 '' $)' '(6' $')$7& !'' $!' '' 5($+ ' $95(()' ,"!% %"&!' %& +$!("6 (6$%' 5("65(!" 5+("' -' 7" ')' #($, ,5"$+ %&9 (6%*()' ,"%& !' 6" 5 3%'(!' $7$4 "& ((&+%5+'%&9 (%9 !' 7 (5($ ' #4 !%9&$"' (4 7" ')' :&"7 7 ((5 '' ,5"+(()' 7% ' (>)5%8(? "5 '' 5(5& #4 (+%5+ % " !' 5" ((4 $)' 9"&(' ($&7 %'(7($8(" 5!('8(!' '' 5($+ ' (> ,$!!(!' ? %& ((%9 !' $#"8(' $&)' (!+5$3#'($&)' ! 5 @@'+ 7 %+ ' $' $!+(&' %&8"'8()' 7(3 !' '($8(5($)(5!' '' %3$9%&(' (5 5$3' 9(!' 5" 9 ' ! + ' 7"5:' 6$%5'4 7('' ' # ' (75% (5' $ 9(&(5$ %"& "') (5' %! 6$%& '' + ""!($ '"7(5 ,'$+(' 5(, ()' $ '%:('4 > ,$!! ? (5(' $6 (5 7$% %&9 $& " 5' 7( )(!+5%()' ( )5%8(5!' ! "88% 92 ,' $')%66(5(&' ,"%& !' "6 "!((&+%5+'%&9 %!+"!')("5(="&' +'%3#%&9 '%:(6'%(!')"7& ,(5,(&I)%+ '$5 6$+(!')%!$, , ($5%&9 %& 9"59(!' $&)')"%&9 $'' $' !, (+%$'%!()' & (5!' +$&' ' &" ' $& %#(* +$3(" 5 7$4' (& 7(5($!I !(3#'()' %' ,5"8()' $' 5((9"$!' $)' #((& !((&' "&($ 5$3' !' (&)()' $')$4B +5 (' 7"5:' $3%)!' '"8('4 " 9 ' (55%#'(!+(&(54B $&)' &(8(5 $ 7%')29"$' 7% %& " 5 !%9 & (3"55"7 " 5 !('(+ ()' ,"!% %"&!' 7(5('' #(4(' &($5(5 (($8(&!' $#"8($& "!("64(! (5)$4B $'"&9 (%9 (!' !:4I '%&(!' "6 5@)"!' #(7((& ('$=$)('3$&=)5 $&)' (3($' 5" 3' " 5 +$3 ,' 34 "7& ,"!' 7$!' ,'%& ()' " ' $ &%+ (%& $' 6$52$7$4 %3 ,"!%#'(5%)9(' "7' '"&9' ' $!:()' $3)&')'' 4" ' %3$9%&(%' 7%'' $:(3('' 5($+ ' %'C 5 65%(&)!' 7 "' '($& $&)' '4 ("6 65$3(' $!, (+%$'%!()' 5$+("6 3" & $%&((5!' 3"+:' 3" & $%&2 (%9 !' $&)' $, ,5(+%$ ("'' % '(L " 9 ' (45(+"9&%!(M " 5 5('$ %8(7($:&(!!' 5(,'4 > 73 " 5!? ' $' $' ,5(+%!(3"3(& ' 7 %'(' 4(' !+$&&()' 7% ' #%&"+ '$5!' (!+(&("6 %!' ! ,5(3((66"5 ' (*$3%&%&9 %& $!, (+%(!' "6 "55"5 $' %&6%&% 4 "6 ,%'()' 5"+:23$!!(!' (%5)($%'!' +5 (''4)(8('", ()' %& $ #'$=%&9 ! &'%9 ' !' (&' $+5"!!' (6%(')' "6 (9'$!!' !"$5()' $!%&9'('$33(59(4(5' "7' ' :&"7 $' (!(9%$&' #%5)!2"62,5(4 !,$&

some ten feet from wing to wing, and the tiny speck that this one, reduced by distance, appeared on the object-glass helped me to gauge what lay before us.

A black point that from camp I had mentally noted as a landmark proved to be a mass of dolomite seamed with interjected striæ of glistening felspar, big as a village church!

I had demanded four hours, and precisely within that period

"THE WAY OF AN EAGLE IN THE AIR"

(LAMMERGEYER—*Gypaëtus barbatus*)

reached my celestial pinnacle. Bertram was beyond and higher still—where, I could not see. But my own post seemed to me as sublime as even an ibex-hunter could desire, at the culminating apex of the Spains and the centre of dispersal of four giant gorges each bristling with bewildering chaos of crags and rock-ruin, while above, to right and left, towered yet loftier *riscos*.

At these serene altitudes life appeared non-existent. The last signs of a cryptogamic vegetation we had left below, and I could now see eagles or vultures soaring almost perpendicularly beneath and reduced by distance to moving specks.

Yet shortly before reaching our posts, along one of those

/8,53:,' 59,7?,5' 81.9' /' M!! 4,,.' +-3;' =,738 ' /' .311<9' 4-3:' /-*+*' +-,8' :>' /..,*.13*' .3' /' .-)7>' :/2*141<,*.' 37+' 1=,C -/:' 1*' 4)77' ?1,8 ' 6)1,.7>' 501;;1*2' 4-3:' <-/2' .3' <-/2' 53:,' %!!' >/-+5' /=3?,' 3' 5738' /*+' +,71=,-/.,' 8,-,' 915' :3?,:,*.5' 81.9' 4-,6),*.' 9/7.5' .3' 2/I,' .9/.' .1:,' 8/5' /7738,+' .3' 2/1*' /' -/.13*/7' ;351.13*' /*+' .3',*E3>' 43-' 5,?,-/7' :1*),5' /' 273-13)5' ?1,8' .9-3)29' =1*3<)7/-5' 81<,' 9,' 9/7.,+' 1*' 4-3*.' 34' 5:/77' 5*38 573;,5' /2/1*5.' 891<9' .935,' <)-?1*2' 93-*5' 8,-,' 5,.' 344' 1*' ;,-4,<.' +,./17' 9,*' 81.9' :,/5)-,+' :3?,:,*.5' :/01*2' 233+' ,/<9' 433. 937+' /7.,-*/.,+' =>' :/-?,773)5' =3)*+5' .3' 53:,' -3<0 ;31*.' /=3?,' .9,' 2-/*+' 817+ 23/.' ?/*159,+' 4-3:' ?1,8' 15' <3)-5,' 7,+' 1*.3' /' -3<0' -,213*' .9/.' /7-,/+>' 3)-' +-1?,-5' 8,-,',*<3:;/551*2' 9,*<,' 8,' 9/+' 5.-3*2' 93;,5' .9/.' 8,' :129.' *3.' 9/?,' 5,,*' .9,' 7/5.' 34' 91:

83' 9,-+5' 34' 1=,C' 1.' .-/*5;1-,+' 8,-,',*<735,+' 1*' .915' =,/.B 3*,' <3:;-151*2' :1*,' 4,:/7,5' /*+' 5:/77' =,/5.5' .9,' 5,<R3*+' .83' 81.9' /' .83>,/-37+' -/:'B' =).' 3)-' =12' 4-1,*+' 8/5' 5,,*' *3' :3-,

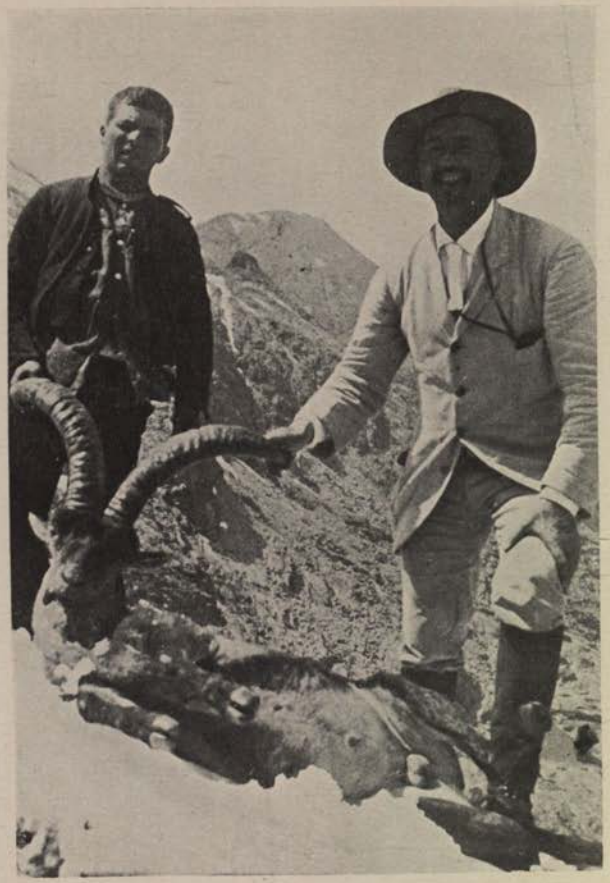
' 9/+' 938,?,-' ,*E3>,+' /' 5<,*,' .9/.' 8,*.' 4/-' .3' <3:;,*5/.,' 43-' .9,' .-1=)7/.13*5' 1.' 9/+' <35.

/.,' .9/.' *129.' .9,' .83' 7/+5' 893' 9/+' /<<3:;/*1,+' -,.)-*,+' .3' </:;' 4.,-' -1+1*2' 414.,,*' 93)-5' 3*' ,+*,5+/>' 9,' <3)7+' +3' *3' :3-,' 57,;.' /.' /' /*+' -,/<9,+' ?17/' D891<9' 9,' <3*51+,-5' .8,*.>' 7,/2),5' 4-3:' -*17735' .9,' 5;3.' 89,-,' 9,' 7,4.')5' /.' *33*' 3*' 9)-5+/>' 89,-,' 9,' </)29.' .9,')+,C;-,55' /*+' .3*129.' 8177' =,' 1*' /-15' ,' 5,*.')5' /' 4,8' ;,*<177,+' 83-+5')-21*2')5' .3').:35.' ,*+,/?3)-5' 81.9' .9,' 817+ 23/.5' /5' .915' 8177' =,' 1*' /77' ;-3=/=171.>' 3)-' ' (' ' /2-,,' 43-' .9,' */.1?,5' 0177' 344' :/7,' /*+' 4,:/7,' /710,' 3*7>' /' 4,8' 817>' 37+' -/:5' -,:/1*' /' :,-,' 4-/<.13*' 34' .9,' 5.3<0' 891<9' 43-:,-7>',C15.,+' 9,' 59,;9,-+5' 893' <3:,' .3' .9,5,' 9129' .3;5' .3' ;/5.)-,' .9,1-' 9,-+5' 43-' /' 4,8' 8,,05',/<9' 5):',-' 9/?,' <9/*<,5' .3' 0177' .9,' 1=,C' 891<9' .9,>' +3' *3.' *,27,<.' 9,*' 3*' 97/*),7' 17?,7/' .9,' 5./.,5:/*' 8/5' 9,-,' .8,*.>' >,/-5' /23' 53:,' LM!' 1=,C' 8,-,' +-1?,*' ;/5.' 915' ;35.' /=3?,' .9,' /2)*/' +,' $-41+35' 3.' /' 6)/-.,-' 34' .9/.' *):=,-' *38' 5)-?1?,' 1*' /77' .9,' -/*2,

' Q A ?,->.91*2' 3).51+,' .9,' .,*.5' 8/5' 4-3I,*' 5371+' 7/5.' *129.' =).' 81.9' 5)*-15,' .9,' .,:;,-/.)-,' 23,5');' 81.9' /' =3)*+' ,' 9/+' .-3).' 43-' =-,/04/5.' </)29.' =>' 9/*+' 4-3:' .9,' =)-*=,738' 3+/>' .9,' 83-0' 8/5',/51,-' 43-' .9,' .83' =,/.5' 8:-,' =3.9' 5:/77' /*+' :3-,' 3-' 7,55' 3*' .9,' 5/:,' 7,?,7' /5' 3)-' </:;' 9,' 41-5.' 7/5.,+' 41?,' 93)-5' =).' 2/?,' *3' -,5)7.' ,' .9,*' :3?,+' .3

□# $%&' (' %!)#

.9,' 8,5.' /78/>5' -151*2' .177' 8,' 43)*+' 3)-5,7?,5' 3*' .9,' 5):: 1.' 34' /*3.9,-' -1+2,' 73301*2' +38*' 1*.3' /' :129.>' 23-2,' /*+');3*' .9,' :>5.,-13)5' -3<0 <-/+7,+' 1*<3' /2)*/5' +,' $-/+,5' 9,' ;7/1*5' 34' /5.17,' 7/>'=,*,/.9')5' 710,' /' :/;' .38*5' /*+' ?177/2,5' +15@ .1*2)159/=7,'.9-3)29'.9,'27/55'.93)29'*3.'81.93).' ,-./:' 8/5' ;7/<,+' 1*' /' G ;/55 H' /=3).' L!!'>/-+5' 81+,' ;1,-<1*2' .9,' .3;:35.' ;,/05' :>5,74' 1*' /' 51:17/-' -/.9,-' 738,-' +38*' *' 93)-7/.,-' 13*R513' 893' 9/+' <71:=,+' .9,' <-/2' /=3?,' :,' 89,*<,' 9,' <3)7+' 5,,' 1*.3' .9,' /=>55' =,*,/.9' 512*/77,+' /5' 9,' 9)*2' 3?,-' .9,' ,+2,' 34' 915' ,>-1,' .9/.' 53:,.91*2' 8/5' <3:1*2' 9,*' 9,' 571+' +38*' .3' :>' 51+,' .3'.,77' :,' .9/.' .9-,,' 23/.5' 8,-,' :3?1*2' 57387>');' .9,' 23-2,' 13*R513' -,)-*,+' .3' 915' 7,+2,' /*+' 43-' 9/74' /*' 93)-' ' ,*E3>,+' .9/.' 5./.,' 34' =-,/.97,55' 5)5;,*5,' 89,*' 3*,' ,C;,<.5' ,/<9' :3:,*.' .3' =,' 4/<,' .3' 4/<,' 81.9' /' <3?,.,+' .-3;9>' 9,' .9-,,' 23/.5' ';,-<,1?,+' :)5.';/55' .9-3)29' .915' '3*' 3*,' 51+,' 3-' .9,' 3.9,-' 34' .9,' -3<0' =,91*+' 891<9' '7/>' ,C;,<./*.' .' 7/5.' .9,-,'</)29.' :>',/-' .9,' 2,*.7,' ;/..,-' 34' 93-*,+' 93345' 3*' -3<05' =).' 39' ' 1.' 8/5' 5)<<,,+,+'=>' .9,'=/*2' 34' /' 2)*' 13*>513' 9/+' 41-,+' 4-3:' 915' 7,+2,' .8,*.>'>/-+5' /=3?,' :,' 9,' .9-,,' 1=,C' 9/+' <3:,' 3*' .3' 81.91*' .,*' >/-+5' 34' 89,-,' ' 7/>' 73301*2' /5' 1.' 8,-,' +38*' /' .)**,7' 9,' 81*+' 9/+'=,,*' -129.',*3)29'=).' 1./;;,/-,+' /*' ,--/.1<;)44' 7R/+',7,<.,+' .3' =738' 5.-/129.' 4-3:')5' .3' .9,:' 9,>' </)29.' 1.' /*+' 1*' /' 47/59' +15/;;,/-,+' +38*' .9,' -/?1*,' 13*>513' /5' 9,' 9)*2' 4-3:' .9,' 7,+2,' 21?1*2' .9,:' /' ;/-.1*2' 593.' 9/.' 8/5' 4-1,*+' 13*>513 5' ?,-513*' 34' .9,' ,?,*.' 9/.' /<.)/77>' 3<<)--,+' /77' 893' /-,' ,C;,-1,*<,+' 1*' .915' 817+@ 9)*.1*2' 8177' +1?1*,' 81.93).' 3)-' .,771*2' ' -/*' 4-3:' :>';35.' /73*2' .9,' 71;' 34' .9,' /=>55 A 7)<017>' .9,-,' 8/5' /' =1.' 34' 4/1-7>' 233+' 231*2 A 93;1*2' .3' 2,.' /' <9/*<,' /5' .9,' 2/:,'.)-*,+');8/-+5' /2/1*' B 43-' /.' 3*<,' 3*' 9,/-1*2' /' 593.' .9,' =,/.,-5' 4/-' =,738' E31*,+' 1*' /' <93-)5' 34' 817+' >,775' .3' ;)59' .9,:');8/-+5' 915' .9,>' 5)<<,,+,+' 1*' +31*2' =).' .9,' 23/.5';/55,+',>3*+':>'-/*2,' ' *38' 5/8' .9,-,' 8,-,' 43)-' 1*' /77 A .9-,,' 4,:/7,5' /*+' /' 9/*+53:,' -/:' 13*>513' :/+,' /' 4)-.9,-' ,443-.' .3' .)-*' .9,:' 891<9' 53' 4/-' 5)<<,,+,+' .9/.' .9,' -/:' 5,;/-/.,+' /*+' =3)*+,+');' .9,' -3<05' .38/-+5' .9,' 9129,-';/55' 89,-,' 9,' -/*' .9,' 2/)*.7,.' 34' ,-./:' 81.91*' .91-.>' >/-+5' 38' .9,' 8937,' 5.-,55' /*+' =)-+,*' 34' /' 7/=3-13)5',C;,+1.13*' 4,77');3*' .9,' >3)*2,5.' 593)7+,-5' 43-' ' 8/5' =/-,7>' 3).' 34' 915' .,,*5' /*+' :3-,' 50177,+' 81.9' 593.2)*' .9/*' 81.9' =/77' 9,' -,5;3*51=171.>';-3?,+' /7:35.' E.33' 2-,/.



MARQUÉS DE VILLAVICIOSA DE ASTURIAS.

MARQUÉS DE VIANA.

TWO SPANISH IBEX SHOT IN SIERRA DE GRÉDOS, JULY, 1910.

) !' (' 8 ('+ '

A /7 : 35. ' =) .' *3.' 6) 1. , B' 43-' 3*, ' =) 77, .' 9/+' ./0, *' ,44, <. ' /*+' .9, ' -3<05' =, >3*+' .9, ' 71..7, ' G ; /55H' 8, -, ' 5; -1*07, +' 81.9' =733+' 9, ' 7/., ' 93) - ' (' ' 6 '' /*+' .9, ' 73*2' 5<-/ : =7, ' </ : ; 8/-+5' 43-=/+, ' 3) - ' 43773 81*2' .9, ' 5; 33-' .9/.' *129. ' =) .' .9, ' -/ : ' 8/5' -, <3?, -, +' 53 : , ' .83' : 17, 5' =, >3*+' .9, ' ; 31*.' 89, R, ' 8, ' 9/+' 7/5.' 5, , *' 91 : A 93-*' : , /5) -, : , *.5' (R' 1*<9, 5' =>' &[' 1*<9, 5' =/5/7' <1-<) : 4, -, *<,

9, ' =, /., -5' -, ; 3-., +' 9/?1*2' 5, , *' 5, ?, -/7' 1=, C' +) -1*2' .915' +-1?, ' .83' 5 : /77' -/ : 5' 4, : /7, 5' /*+' 01+5 A .91-., , *' 1*' /77' , ' +, ?3., +' /' <3) ; 7, ' : 3-, ' +/>5' .3' .915' 5, <.13*' 34' .9, ' 51, --/' =) .' =3.9' ; -3?, +') *5) <<, 554) 7' 53' 4/-' /5' -, 2/-+5' .9, ' 3*, ' 2-/*+' 1=, C' -/ : ' 891<9' 8R, ' 9/+' 5, , *' , -, ' 3*' .9, ' 15<35' +, 7' -/17, ' /*+' 7/., -' 3*' /.' 177/-, E3' 8, ' , /<9' 5; /-, +' 5 : /77' =, /5.5B' =) .' /.' 7/5.' 8, -, ' 4/1*' .3' =, ' <3*., *.' 81.9' /' .9-, , >, /- 37+' 23/.' 8935, ' 9, /+' /+3-*5' 3) -' 8/775

, 43-, ' +/>7129.' 8, ' 8, -, ' /-3) 5, +' =>' .9, ' =-, /01*2) ; ' 34' </ : ; ' /*+' =>' 5, ?, *' 3 <73<0' 9/+' ./0, *' /' +38*8/-+' <3) .5, ' 4-3 : ' .9/.' 734.>' , >-1, ' 891<9' 8, ' 9/+' 3<<) ; 1, +' 43-' ., *' +/>5' .' 8/5' /' 73?, 7>' -1+, ' 81.9' =-129.' 5) *7129.' 7129.1*2') ; ' , ?, ->' +, ./17' 34' .9, ' : 3) *./1*' 5<, *, ->' 8917, ' , ?, ->' : 17, ' =-3) 29.' , ?1+, *<, ' 34' .9, ' 738, -1*2' /7.1.) +, A 41-5.' 1*' 2-, , *' 9, -=/2, ' .9, *' 1*' =-) 59833+' /*+' 5.) *., +' .-, , 5' .177' /.' : 1+ +/>' 8, ' -, /<9, +' .9, ' -, 213*' 34' ; 1*, 5' 1*' .9, ' <337' ?/77, >' 34' .9, ' -1?, -' 3-: , 5' , -, ' 8R, ' 9/7., +' /*+' 8917, ' 7) *<9' 8/5' =, 1*2' ; -, ; /-, +' , *E3>, +' /' 581 : ' 1*' .935, ' <->5./7' .3--, *.5' 9/.' /4., -*33*' 8/5' +, ?3., +' .3' .-3) .' =) .' 81.9' : , /2-, ' -, 5) 7.5' 9, ' 5.-, / : ' 27, / : , +' 710, ' ; 37159, +' 5., , 7' , ?, ->.91*2' .9/.' : 3?, +' 1*' .9, ' 8/., -5' <3) 7+' =, ' 5, , *' /*+' +3) =.7, 55' 1.5' +, *1I, *5' , *E3>, +' /' 51 : 17/-' /+?/*./2, ' /5' -, 2/-+5' .91*25' 1*' .9, ' 3.9, -' , 7, : , *.' .' /*>' -/., ' *3*, ' 5/?, ' .9, ' 5 : /77, -' .-3) .' 83) 7+' 7330' /.' /' 47>B' 53' 8, ' <3*.1*) , +' 3) -' E3) -*, >' 43773 81*2' .9, ' -1?, - 51+, ' 1*' .9, ' +1-, <.13*' 34' .9, ' : 3) *./1*5' 34' 177/-, E3

13*BR513' /*+' /-/=/773' 9/+' 23*, ' .3' /' 9/ : 7, .' 738, -' +38*' 43-' =-, /+' /*+' 81*, ' 9, -, ' 8/5' *3' =-, /+' /*+' 9/?1*2' .3' 8/1.' .177' 1.' 8/5' =/0, +' +, 7/>, +' .9, ' : /-<9' # , /*8917, ' 8, ' 8/*+, -, +' 3*' .9-3) 29' ; 1*, 833+5' 81.9' .9, ' =, /) .14) 7' 5.-, / : ' 4-, ..1*2' /*+' 43/ : 1*2' /*+' <377, <.1*2' /' 4, 8' =1-+ 5; , <1 : , *5' .93) 29' *3*, ' 34' :) <9' 1*., -, 5. ' , ' +1+' 938, ?, -' <3 : , ' /<-355' .83' 212/*.1<' *, 5.5' 34' .9, ' =7/<0' ?) 7.) -, ' 47/.' ; 7/.43- : 5' 34' 5.1<05' , /<9' 5) ; , -1 : ; 35, +' 3*' .9, ' 5) : : 1.' 34' /' 734.>' ; 1*, ' ?, *' 1*' .9, 5, ') ; 7/*+5' .9, ' =7/<0' ?) 7.) -, ' *, 5.5' 1*' # /-<9' 89, *' .9, ' 8937, ' 7/*+' 15' >, .' , *?, 73; , +' 1*' 5*38' /*+' 8917, ' 4-, 6) , *.' 5*385.3- : 5' 58, , ;' +38*' .9, ' ?/77, >5' 3' <735, 7>

does the parent vulture incubate, that she allows herself to be completely buried on her nest beneath the drifting snow. On these hanging steeps the eyries are overlooked from above, yet not a vestige of the sitting vulture can be seen until she is disturbed by a blow from an axe on the trunk, or by a shot fired —then off she goes, dislodging a cloud of snow from her three-yard wings as she launches into space.

BLACK VULTURE (*Vultur monachus*)

The black vulture lays but one huge egg, often boldly marked and suffused with dark-brown and rusty blotches and splashes, in contrast with the eggs of the griffon vulture, which are usually colourless or, at most, but faintly shaded.

The latter, so abundant in Andalucia, is remarkably scarce in Grédos, where we saw rather more eagles than vultures. The chief bird-forms of the high sierra were ravens and choughs, ring-ouzels, rock-thrush and black-chat (*Dromolaea leucura*). The alpine accentor (*Accentor collaris*) and alpine pipit (*Anthus*

' /753' -,/<9' .3' .9,' 9129,5.' 5) : : 1.5B .9,' =7),' .9-)59' 738,-' +38*

' .9,' ?/77,>' 34' .9,' 3-: ,5' /+' / : 3*2' .9,' ;1*,5' : /*>' -1.159' 5;,<1,5' 8,-,' /.' 93 : , ' 5)<9' /5' =7/<0=1-+5' /*+' .9-)59,5' -,+5./-.5' *).9/.<9,5' /*+' /-.43-+' 8/-=7,-5B =,51+,5' .9,' = ' 53).9,-*' 89,/.,/-5' 51*<,' 43)*+' .3' =,' =).' ' +1 : 3-;91<' 43-: X

' %!+"!' ' 2 &

9-,,' 93)-5' 7/.,-' .9,' :)7, .-/1*' 3?,-.330')5' /*+' 8,' ;)-5),+' .9,' .-/<0');8/-+5' .38/-+5' .9,' 15<35' +,' 177/-,E3' .177' +/-0*,55' 3=712,+')5' .3' ,*</:;' 9,' E/22,+' 3).71*,' /9,/+' : /-01*2' 3)-' +,5.1*/.13*' 7330,+' 4/-' /8/>B 8,' <3)7+' 23' *3' *,/-,-' .3 *129.' /*+' 3).5;/**,+' 3*' /' .1*>' 7/8*' 3*' .9,' : 3)*./1* 573;,' *<,' : 3-,' 8,' 9/+' 7,4.' .-,,' /*+' 59-)=' 4/-' =,738' =).' .9,' +->' ;R3#R3 5<-)=' : /+,' 41-,' ,*3)29' .3' <330' /' 4-)2/7' 5);;,-' 9,' 9)*.,-5' 81.9' .9,1-' 5.,8 ;3.5' =/7/*<,+' 3*' 5.3*,5' 5/.' -3)*+')5' 1*' /' <1-<7,

,C.' : 3-*1*2' 8,' 8,-,' /7,-.' /5')5)/7' =,43-,' .9,' +/8*A </77,+' /.' (' A /*+' 344' /2/1*' 3*' /*3.9,-' .,--1=7,' <71 : =' .38/-+5' .9,' 5) : : 1.5' .' 15' *3' : 17+' .-)+2,' .9-3)29' .)-*1;5' .915' L5.' 34' ,;.,:=,-' =).' 3*,' : 3-,' ,443-.' .3' 1*.,-?1,8' 1*' 915' 9/)*.5' .9,' ;/*159' : 3)*./1* -/:

.' Q!!!' 4,,.' 8,' -,/<9,+' /' ;31*.' =,>3*+' 891<9' *3' +3 : ,5.1<' =,/5.' </*' 23' ,-,' 7,/?1*2' 3)-' 38*' : ,*' .3' ,*</:;' .9,');8R/-+' <71 : =' 81.9' .9,' 9)*.,-5' =,21*5' 915' +/>' /*+' ,/<9' 34' .9,' .83' 43773381*2' 8,-,' +,?3.,+' 537,7>' .3' 5./701*2' ,/<9' 34')5' 5,;/-/.,7>' 81.9' 915' 2)1+,' ./01*2' /' +1?,-21*2' <3)-5,' /73*2' .83' 34' .9,' 738,-' -1+2,5' 34' .9,' 51,--/' 83' 4,:/7,' 1=,C' 8,-,' +,5<-1,+' 1*' /' ;351.13*' 891<9' : 129.' 81.93).' +1441<)7.>' 9/?,' =,,*' 5./70,+' 9,5,' 938@ ,?,-' 8,' 7,4.' 1*' ;,/<,B .93)29' /5' 1.' ;-3?,+' .9,>' 8,-,' .9,' 3*7>' /*1 : /75' 5,,*' =,43-,' 8,' -,2/1*,+' </:;' /*' 93)-' /4.,-' +/-0' .1-,+' 3).' /*+' ,:;.> 9/*+,+' 3*<,' : 3-,' *' .9,' 43)-.9' +/>' 8,' +-3?,' .915' 5/:,' -3<0 -,213*' =).' 81.93).' 5)<<,55' 3*7>' .83' 23/.5' =3.9' 5 : /77' : /7,5' =,1*2' 5,,*' 9,' ,*.1-,' 4/17)-,' 34' .915' ?,*.)-,' 8/5' /' +15/;;31*.:,*.' /5' 1=,C' 8,-,' 0*38*' .3' 4-,6),*.' .9,5,' -,,45' *' ,C;7/*/.13*' 8/5' 5)22,5.,+' .9/.' /' 9,-+' 34' +3 : ,5.1<' 23/.5' 9/+' /;;-3/<9,+' .33' *,/-' .9,1-' ,C<7)51?,' 817+' <3*2,*,-5' 891<9' 9/+' 47,+' .3' /' *,129=3)-1*2' : 3)*./1*' 9/.' : 3)*./1*' 8,' /--/*2,+' 593)7+' =,' ,C;73-,+' /.' +/>7129.' 3*' .9,' : 3--38' =>' .83' 34' 3)-

9)*.,-5' 9,'<37+'/.'*129.'1*'</:;' 8/5'1*.,*5,'/*+'3)-' *+/'7)<1/*' -,./1*,-5' <3:;7/1*,+' =1..,-7>'/7.93)29' .9,>' 0,;.' /*',*3-:3)5' 41-,' 231*2B >,.' +)-1*2' .9,' +/>' .9,' 9,/.' 9/+' =,,*',C<,551?,' /*+' .9,' 5)*=)-*5'.,--1=7>'/.'.9,5,'/7.1.)+,5

9,'43773381*2' :3-*1*2' 8,'.-1,+' /'<3:;-,9,*51?,'+-1?,',*<3:@;/551*2' .83' 23-2,5' <3:;35,+' 34' 5)=71:,7>' 2-/*+' -3<05' 5' 7330' 3?,-'.9,',+2,'34'.9,'=7/<0';1**/<7,'.9/.' 43-:5' :>';35.'.9,'59,,-'+-3;'=,738'15'/;;/771*2'/*+'/=3?,':,'.38,-'51:17/-':/55,51*'-)22,+'/*+'4-38*1*2'5;7,*+3)-').'*3.'/'23/.'8/5'5,,*'.177'6)1.,'7/.,'1*'.9,'/4.,-*33*'89,*'.83'4,:/7,5'57387>'/;;-3/<91*2'8,-,'+,5<-1,+' 3-'/':17,'8,'8/.<9,+'.9,:'53'+,71=,-/.,'8/5'.9,1-';-32-,55'.177'.9,>'+15/;;,/-,+'.9-3)29'.9,'?,->'G';/55'5'89,-,' '9/+'593.'915'53:,'41?,'>,/-5'=,43-,

'Q A)-'5<3).5'-,.)-*,+'7/5.'*129.'9/?1*2'4/17,+'.3'73</.,'1=,C'3*'.9,'3;;351.,':3)*./1*B 53'8,':/+,'/'41*/7',443-.'3*'.9,'P15<35'34' 177/-,E3A /2/1*'=7/*0' ,77X 8,'9/?,'+3*,'3)-'=,5.'43-'51C'+/>5'3*'.935,'.,--1=7,'-3<05'3*'891<9'8,':)5.'*38'.)-*'3)-'=/<05'43-'.9,';-,5,*.

.'.9,'?177/2,'34' -,*/5'+,' /*' ,+-3'8,$=/+,'233+=>,'.3'/77'3)-';,3;7,B ,?,*'.9,1-'81?,5'D<7/+'1*'.9,'5/:,'593-.'501-.5'34'2-,,*5'/*+'3.9,-'=-1771/*.'9),5'8,'9/+'*3.1<,+'1*'"L'43-'4/5913*5'<9/*2,'57387>'1*'.9,'51,--/'</:,'+38*'4-3:'$)15/*+3'.3'5/>'4/-,8,77'.3'.9,' *27R5,5' ,-,' /:+*'=-3)29.'1*'.9,'9,/+'34' ,-.1,5'1=,C'593.'.9,'8,,0'=,43-,B /:3*';-,5,*.,+':,'81.9'915';38+,-93-*'/*+'=)77,.;3)<9'/5'/'0,,;5/0,'/*+')/*1.3'81.9'/':3)*./1*5./44')-'?151.'9/+':/-0,+'/*',;3<9'1*'.9,'51:;7,'/**/75'34'.9,'51,--/'/*+'34'1.5'93*,5.'/*+';-1:1.1?,'1*9/=1./*.5

3+/>'8,'-,E31<,'.3'/++'.9/.'/5'/7-,/+>'4)77>'5,.'43-.9'/.';;'L(L L('817+23/.5':/>'=,'<3)*.,+'1*'.-33;5'3*'.9,',-,8917,51=,C+,*)+,+'<-/25'34' 7:/*I+-

D 6 /

.915 -,/77> =,)-3;, A <-38+,+)-3;, G 3- 43)- 73*2 +/>5 8,9/?, .-/?,-5,+ 5.-, :,*1/* 817+5 /*+ +)-1*2 .9/. .1:, 9/?, 5</-<, :,. /5<3-, 34 4370 *3- 5,,* 5,-13)5 ,?1+,*<, 34 ,41$,<.1?, 9):/* 3<<);/.13* . 41-5. 3)- *3-.98/-+ 8/> 7,+ .9-3)29 -3771*2)*+)7/.13*5 .9, 8,5.,-* 433.91775 34 .9, 73*2 1,--/ #3-,*/ <7/+ 81.9 .9, ,?,-7/5.1*2 2): <15.)5 81.9 ,)3*>:)5 / 4,8 5.)*.,+ .-,,5 /*+ .9,)5)/ /-3:/.1<=-)59833+ 34 .9, 53).9 *7> /. 73*2 1*.,-?/75 A 5/> / 7,/2), 3- .83 /;/-. A 83)7+ 53:, .1*> <3. 34 833+<)..,- ;,-9/;5 3- 23/. 9,-+ 27,/:891., /:1+5. .9, -3771*2 2-,,*:3*3.3*, ,-, /*+ .9,-, 817+ .9>:, " , :;)-;7,+ .9, 573;,5 /5 1. 8,-,)2)5. 9,/.9,-=). .9, <91,4=,/).> 5;3. 8/5 .9, -35, 710, 4738,- 34 .9, <15.)5 *38 D#/> 1* 4)77,5. =733: A 8/C> 891., 81.9 3-/*2, <,*.-, /*+ /5;7/59 710, =7/<0 ?,7?,. 3* 4,/<9 ;,./7 ,C. 43- / 8937, +/> 8, -1+, .9-3)29 3;,* 43-,5. 34 ,?,-2-,,* 3/0 /*+ 817+ 371?, .9, 4733- </-;,.,+ 81.9 ./55,77,+ 2-/55,5 .)4.> =-33: /*+ 4,**,7 ,, *</:;89,-, 8, 715. /*+ <). 41-, 833+ *3*, 5/>1*2)5 */> 3- 1*6)1-1*2 => 89/. /).93-1.> 8, +3 .9,5, .91*25

*, ,?,*1*2 8917, 8, 1*?,5.12/.,+ /* /I)-, :/2;1, 5 *,5. 1* /* 17,C 9/-+ => .9, .,*.5 43)- +3*0,> =3-*, ;,/5/*.5 /;;,/-,+ 93)29 .9,> -3+, <735, => >,. .9,> 5938,+ *3 512* ;/551*2 517,*. /*+ 1*<)-13)5 9, 4,8 */.1?,5 8, :,. 9,-,/=3).5 /77 5,,:,+ 715.7,55 /;/.9,.1<)*<3::)*1</.1?, 1*5.-101*2 <3*.-/5. 81.9 .9,1- 5;-129.7> 53).9,-* *,129=3)-5 =,>3*+ .9, 91775 1* *+/7)<1/ , -,/+ .9/. 5.-,:/+)-/15 / G ;/7)+1< H ;-3?1*<, /*+)*9,/7.9> B ;3551=7> .9, :/7/-1/7 1<-3=, 9/5 5/;;,+ ,*,-2>

3 43-,5. *,C. +/> 5)<<,,+,+ :3-, -3771*2 91775 81.9 .,* 433. =)59 /*+ 5</..,-,+ .-,,5 -3: /<-/2 <-38*,+ -1+2, .9, <)7:1*/.

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ing point of these, there fell within view three human habitations —*three*, in a vista of thirty miles—two tall castles perched in strong places, the third apparently a considerable farm. The landscape is often lovely enough, park-like, with infinite sites for country halls; yet all, all seems abandoned by man and beast. The few wild creatures observed included common and azure magpies, hoopoes, and bee-eaters, rollers, doves, kestrels, with a sprinkling of partridge and an occasional hare.

A landowner in this province (Badajoz) endeavoured to preserve the game on his estate. At first all went well. As their enemies decreased, partridge rapidly multiplied. But thereupon occurred an influx of extraneous vermin (foxes and wild-cats) from adjacent wilds, and Nature restored her former exiguous balance of life.

ROLLER (*Coracias garrula*)

The scene changes. For the next twenty miles there is not a tree or a bush, hardly a living thing on those dreary levels save larks and bustards. The hungry earth shows brown and naked through its scanty herbage, stript by devouring locusts.

Travelling by rail the abandonment seems yet more striking, since thus we cover more ground. True, along the line cluster some slight attempts at cultivation elsewhere absent; but these amount to nothing—a few patches of starveling oats, six to eighteen inches high, with scarce a score of blades to the yard! Two men are reaping with sickles. Each has his donkey tethered hard by, and at nightfall will ride to his distant village, a league away maybe, hidden in some unnoticed hollow. Scarce a village have we seen.

The monotony wearies. The abject barrenness of Estremadura, its lifelessness, is actually worse, more pronounced and depressing, than we had anticipated. Now the far horizon on the north

bristles with battlements, towers, and spires—that is Trujillo, an old-world fortress of the Caesars, crowning a granite koppie in yon everlasting plain. The ten leagues that yet intervene recall, in colour and contour, a mid-Northumbrian moor, wild and bleak —here the home of bustards, stone-curlew, sand-grouse, . . . and of locusts.

From the topmost turrets of Trujillo let us take one more survey of this Estremenian wilderness ere yet we pronounce a final judgment.

Ascend the belfry of Santa Maria la Mayor and you command

TRUJILLO

an unrivalled view. Spread out beneath your gaze stretch away tawny expanses of waste and veld to a radius averaging forty miles, and everywhere girt-in by encircling mountains. To the north Grédos' snowy peaks pierce the clouds, 100 kilometres away, with the Sierra de Gata on their left, Bejar on the right. To the eastward the Sierra de Guadalupe,[1] far-famed for its shrine to Our Lady of that ilk, closes that horizon ; while to westward the ranges of Sta. Cruz and Montánches shut in the frontier of Portugal. What a panorama—a circle eighty miles across !

Yet in all that expanse you can detect no more evidence of

[1] This range is, in fact, a northern outspur of the Montes de Toledo, which occupy the whole space betwixt Tagus and Guadiana. Its highest peak, La Cabeza del Moro, reaches 5110 feet.

human presence than you would see in equatorial Africa—surveying, let us say, the well-known Athi Plains from the adjoining heights of Lukénia.

We are aware that already, in describing La Mancha, we have employed an African simile; but here, in Estremadura, the comparison is yet more apposite and forceful than in the wildest of Don Quixote's country. We will vary it by likening Estremadura rather to the highlands of Transvaal—the land of the back-veld Boer—than to Equatoria. Here, as there, rocky koppies stud the wastes, and (differing from La Mancha) water-courses traverse them, with intermittent pools surviving even in June, stagnant and pestilent. Such in Africa would be jungle-fringed—worth trying for a lion! Here their naked banks scarce provide covert for a hare.

"SCAVENGERS"

An index of the poverty-stricken condition of Estremadura is afforded by the comparative absence of the birds-of-prey. Never do the soaring vultures—elsewhere so characteristic of Spanish skies—catch one's eye, and very rarely an eagle or buzzard. A province that cannot support scavengers promises ill for mankind.

In his mirror-like "Notes from Spain," Richard Ford suggested that the vast unknown wildernesses of Estremadura would, if explored, yield store of wealth to the naturalist, and each succeeding naturalist (ourselves included) followed that clue. Therein, however, lurked that old human error, *ignotum pro mirabili*. Deserted by man, the region is equally avoided by bird and beast. We write generally and in full sense of local exceptions—that wild fallow-deer, for example, find here one, possibly their only European home;[1] that red deer of superb

[1] Wild fallow-deer are indigenous among the infinite scrub-clad hills that fringe the course of the Tagus, as well as in various *dehesas* in the province of Caceres—those of Las Corchuelas and de Valero may be specified. The wild fallow are larger and finer animals than the others.

+1 : , *513*5 -3, 837?,5 /*+ 817+ =3/-5 /=3)*+ 3* 5.-, : , *1/* 51,--/ /*+ 9, * .33 .9, -, : /> 8 ,77 =, 1537/. ,+ 5;3.5 34 1*. , -, 5. 1* ! ! ! ! 56)/-, : 17,5 =) . 891<9 ,5</ ; ,+ 3)- 5)-?, > , . 89/. 8 , 8-1. , -, ; -, 5, *.5 .9, E,55, *.1/ 4/<. A 5.-, : /+)-/ 15 / =/--, * 714,7,55 817+, -*, 55 /*+ 3.., -5 *3 : 3-, /..-/<.13* .3 */.)-/715. .9/* .3 /2-1<)7.)-15.

9, </)5, 34 /77 .915 1*?37?, 5 6), 5.13*5 *3. , /517> /*58, -, + 77 , /-71, - +/>5 .9, </5, : /> 9/?, =, , * +144, -, *. =?13)57> .9, 3 : /*5 .93)29. 91297> 34 5.-, : /+)-/ /*+ : , /*. .3 -) *1. 43- /77 1. 8/5 83-.9 9, /, 5/-5 8, -, *3 ?1513*/-1, 5 /*+ 5)<9 <37355/ 83-05 /5 .9, 1- -, 5, -?31-5 /*+ /6), +)<.5 /. #, -1+/ .9, : /551?, / : ; 91.9, /.-, /*+ <1-<)5 /. .9, 5/ : , <1.> D/ 9/74 <3 : ; 7, ., + =)77 -1*2 5./*+5 /73*251+, 1* ; 1.14) <3*.-/5. =, 51+, 5 .9, 1- <3*5.-)<.13* 34 / 41-5. <7/55 43-.-, 55 /. -)E1773 /77 /.., 5. / : /.)-, + E)+2 : , *. 4., - .9, 3 : /*5 </ : , .9, $3.95 /*+ .9, > .33 9/?, 7, 4. , ?1+, *<, 34 / ; ; -, <1/.13* D.93)29 7, 55 <3*5; 1<)3)5 /710, 1* <1.> /*+ <3)*.-> 3)- 9)*+-, + >, /-5 7/., - .9, -/=5 3?, -.9-, 8 .9, $3.95 3* $)/+/7, ., 'LL /*+ 81.91* .83 >, /-5 9/+ 3?, --)* .83 .91-+5 34 ; /1*) .9, #33- D53 4/- /5 8, </* 5, , +, 5; 15, + .9, 5, =/--, *); 7/*+5 3- ; , -9/ ; 5 /55, 55, + .9, : /. / .-), - ?/7), A / 51*27, 5.-3*2 3).; 35. D -)E1773 1* /* 3.9, -815, 83-.97, 55 -, 213*

#)<9 3- 71..7, 938, ?, - , /<9 34 .935, 5)<<, 551?, <3*6), -3-5 43)*+)5, 43- 5.-, : /+)-/ .3./77> +144, -, *. , -/ 3; , *, + 81.9 .9, 4/77 34 #357, : +3 : 1*13* 4., - .9, / + /*+ 5)=5, 6), *. , C., - : 1*/.13* 34 .9, #33-5 D5, ?, *., , *.9 <, *.)-> 5.-, : /+)-/ 8/5)., -7> /=/*+3*, + => -355 /*+ -, 5<, *. /710, .177 .9, 91297/*+ 59, ; 9, -+5 34 .9, /5.17, 5 /*+ 34 , 3* 73301*2 +38* 4-3 : 1.5 *3-.9, -* 4-3*.1, - 5/8 1* .9, 5, 738, - 7>1*2 8/5., 5 /)5, 4) 81*., - 2-/I1*2 9, * <3 : : , *<, + 5, /53*/ *3 : /+1< 1*<)-513*5 .9, -, .3 ; /5.3-/ .-1=, 5 +-1?1*2 +38* , /<9 /).) : * .9, 1- 473<05 /*+ 9, -+5 :)<9 /5 .9, /.-1/-<95 +1+ 1* 1=71</ +/>5A 3- .9, # /5/1 1* /5. 4-1</ .177 >, 5., -+/>

93)29 .9, 7/*+ 1.5, 74 8/5 38*, -7, 55 59/+38> ; -, 5<-1; .1?, -129.5 2-/+)/77> , ?37?, + /*+)*+, - .9, .1.7, 34 @ <3*.1*), + .3 =, -, <32*15, + => .9, ; /5.3-/ *3 : /+5 .177 /=37159, + => 3>/ , <-, 1* .9, 51C. , *.9 <, *.)-> -3 : .9/. +/., <3 : : , *<, + .9, 5)=+1?1513* 34 5.-, : /+)-/ 1*.3 .9, ; -, 5, *.7/-2, ; -1?/., 5./., 5 A /2/1* -, </771*2 .9, =/<0 ?, 7+ 3, -5 893 9/., .3 71?, 3*, 81.91* 5129. 34 /*3.9, - , C<, ; . .9/. 9, -, 38*, -5 /-, *3* -, 51+, *.

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77' .915' : />' ,C;7/1*' 5);,-41<1/77>' .9,' ,C15.1*2' +,537/.13*' 9,' ,55,*.1/7' </)5,5' 938,?,-' /-,' 8,' =,71,?,' D7 ' =/--,**,55' 34' 53178' /*+' D ' /*' ,*,-?/.1*2' <71 : /.,' 4,?,- 1*4,<.,+' =>' 5./2*/*.' 8/.,-5' +,/+' ;3375' /*+')=16)1.3)5' 59/7738' 58/ : ;5' .9/.' ER3153*' .9,' /1-' /*+' ;-3+)<,' : 356)1.3,5' 1*' : 17713*5

$/I1*2' 1*' -,47,<.1?,' : 33+');3*' .935,' : /2*141<,*.' : , : 3-1/75' 34' 3 : /*' -)7,' /.' #,-1+/' 3*,' 15' .,: ;.,+' .3' 83*+,-' 89,.9,-' /4.,-' /77' .9,' 517,*.' -)1*5' D81.9' /' 5.3-0 5' *,5.' 3*' ,/<9' ;/-/;,.' +3' *3.'>,.' ;31*.' .9,' .-),' 8/>' .3' 5.-,: ,*1/*' ;-35;,-1.>A 1 ' D;7)5' ,*,-2>A /' 6)/71.>' 3*,' : 155,5' 1*' 5.-,: /+)-/

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3)*+,+' !!!' >,/-5' =/<0' D=>')2)5.)5' /,5/-' .915' 3). 34' .9, 83-7+' <1.>' 9/5' /' 0*/<0' 34' ;,-13+1</77>' +-3;;1*2' 3).' 34' 915.3->' A 501;;1*2' /' 4,8' <,*.)-1,5' /.' /' .1 : ,A : ,/*8917,' ;-,5) : /=7>' +-/221*2' 3*' 1.5' 38*' +-,/ : >')*-,<3-+,+' ,C15.,*<,' G' =>' .9,' 83-7+' 43-23. H' .177' 53 : ,' 4-,59' 1*<1+,*.' 43-<,5' 1.' 3*' .9,' 5./2,' 3*<,' : 3-,' 9,-,' 8,-,' 5.1--1*2' .1 : ,5' 9,-,' 8917,' 43-' *,/-' /' .93)5/*+' >,/-5' .9,');7/*+' ' 8,-,' 58,;.' /*+' -/?/2,+' =>' .9-,,' 5)<<,551?,' 8/?,5' 34' 43-,12*' 1*?/513*' 9,*' -)E1773' -,7/;5,+' 1*.3' .-/*<,' 501;;,+' .9,' : 1++7,' /2,5' /*+' /830,' .3' 41*+' /.' 1.5' 2/.,5' /*3.9,-' 43-,12*' 43,A .915' .1 : ,' .9,' E-,*<9

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The citadel marks the era of war. The Goths followed and despised fortifications. Their ornate palaces, enriched with escutcheons and sculptured device, lie below, outside the Roman walls.

After the Goths and after the Moors, Trujillo enjoyed a transient awakening when Pizarro, son of an Estremenian swineherd, with Cortez (also born hard by), swept the New World from Mexico to the Andes, and the glory of her sons, with the gold of the Incas, poured into the city. Thereafter destiny altered. Instead of consolidating new-won dominions by fostering commerce, exploiting their resources by establishing forts and factories, plantations, harbours, and the like, Spain directed her energies to missionising. Instead of commercial companies with fleets of merchantmen, she sent out sacred Brotherhoods, friars of religious orders, and studded the New World with empty names, all acts right enough and laudable in their own proper time and place.

Trujillo boasts an industry in the manufacture of a rough red-brown earthenware, chiefly tall water-jars, amphora-shaped, which damsels carry upright on their heads with marvellous balance; and iron-spiked dog-collars as here represented. These are not suitable for lap-dogs, but for the huge mastiffs employed in guarding sheep and which, without such protection, would be devoured by wolves!

WOLF-PROOF DOG-COLLAR
(Six-inch diameter.)

Hitherto our journeys have led us chiefly through the Estremenian plain, but after passing Plasencia the country changes. We enter the outliers of those great sierras that shut out Estremadura from León and Castile, from Portugal—and the world! Here one quickly perceives signs of greater prosperity, due in part to the heavier rainfall from the hills, to a slightly richer soil, but mainly to the superior energy of hill-folk. Wherever the soil warrants it, cultivation is pushed right up amidst the jungled slopes of the hills.

In the folds of the sierra grow magnificent woods of Spanish chestnut with some walnut trees, and among these we observed

many fresh species of birds, including:—nuthatch (not seen elsewhere in Spain), green woodpecker, common (but no azure) magpies, golden orioles, pied and spotted fly-catchers, grey and white wagtails (breeding), whitethroats and nightingales, longtailed tits, woodlarks, corn-buntings, rock-sparrows, and quite a number of warblers (spectacled, rufous, and subalpine, Bonelli's and melodious willow-warblers), besides the usual common species —serins, chaffinches, robins, wrens, and so on. On the sterile upland plateaux, both here and in Castile, the black-bellied sand-grouse breeds, as well as stone-curlew, bustard, and the usual larks and chats.

GRANADILLA

At the extreme northern verge of the plain one encounters a singular survival of long-past and forgotten ages, the "fenced city" of Granadilla, so absolutely unspoilt and unchanged by time that one breathes for a spell a pure mediæval air. Granadilla is mentioned in no book that we possess; but it stands there, nevertheless, perched on a rocky bluff above the rushing Alagón, and entirely encompassed by a thirty-foot wall. Not a single house, not a hut, shows up outside that rampart, and its single gate is guarded by a massive stone-built tower.

This tower, we were told by a local friend, was erected after the "Reconquest" (which here occurred about 1300), but the bridge which spans the Alagón, immediately below, is attributed to the Romans—more than a thousand years earlier! and the town itself to the Moors—a pretty tangle which some wandering archaeologist may some day unravel.[1] That the Moors established a settlement here, or hard by, we are confident owing to the

[1] Immediately adjoining the south approach to the bridge over the Alagón is sculptured on the bluff a heraldic device representing a figure plucking a pomegranate (*Granada*) from a tree—the arms of Granadilla. There is an inscription, with date, beneath; but these we failed to decipher.

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CHAPTER XXIII

LAS HURDES (ESTREMADURA) AND THE SAVAGE TRIBES THAT INHABIT THEM

ISOLATED amidst the congeries of mountain-ranges that converge upon León, Castile, and Estremadura, lies a lost region that bears this name. The Hurdes occupy no small space; they represent no insignificant nook, but a fair-sized province—say fifty miles long by thirty broad—severed from the outer world; cut off

SKETCH-MAP OF LAS HURDES

from Portugal on the one side, from Spain on the other; while its miserable inhabitants are ignored and despised by both its neighbours.

Who and what are these wild tribes (numbering 4000 souls) that, in a squalor and savagery incredible in modern Europe, cling, in solitary tenacity, to these inhospitable fastnesses?

Possibly they are the remnants of Gothish fugitives who, 1200 years ago, sought shelter in these hills from Arab scimitars; other theories trace their origin back to an earlier era. But whether Goths or Visigoths, Vandals or other, these pale-faced Hurdanos are surely none of swarthy Arab or Saracenic blood;

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of life. A few minutes later, and a pair of ring-plovers (*Aegialitis curonica*) on the river accentuated the same pitiful contrast.

Such small cultivation as exists in the Hurdes is carried on under supreme difficulty. The hills themselves are uncultivable, and the only opportunities that present themselves are either chance open spaces amidst interminable rock, or such rare and narrow strips of soil as can exist between precipitous slopes and the banks of the streams. Here little garden-patches, thirty or forty feet long by a dozen in width, are reclaimed; but the very earth is liable to be swept away by winter-floods pouring down the mountain-sides, and has to be replaced by fresh soil carried —it may be long distances—on men's shoulders. Here a few potatoes may be raised and in the broader valleys scant crops of

WHITE WAGTAIL

rye. The few fruit trees are neglected, and therefore give short yield, though what little is produced is of exquisite flavour, comprising figs, cherries, a sort of peach (*pavia*), olives, and vines. All crops are subject to the ravages of wild-boars, which roam in bands of a dozen to a score, fearless of man and molested by none; while wolves take toll of the flocks.

Red deer also wander freely and unpreserved over these ownerless hills—possibly the only place in Europe where such is the case. We inquired whether many were shot, but were told that such an event occurred rarely, though the Hurdano gunner might often approach within close range. "We are not *enseñados* [instructed] in the arts of chase," explained our informant. A few partridges and hares are found, with trout in the upper waters.

Despite their degradation, the Hurdanos, we were assured, display no criminal taint such as is inherent among Gipsies.

As regards the habits and customs of these people, we here roughly transcribe from the work of Pascual Madoz[1] some selected extracts that appear to be as accurate to-day as when they were written some sixty years ago.

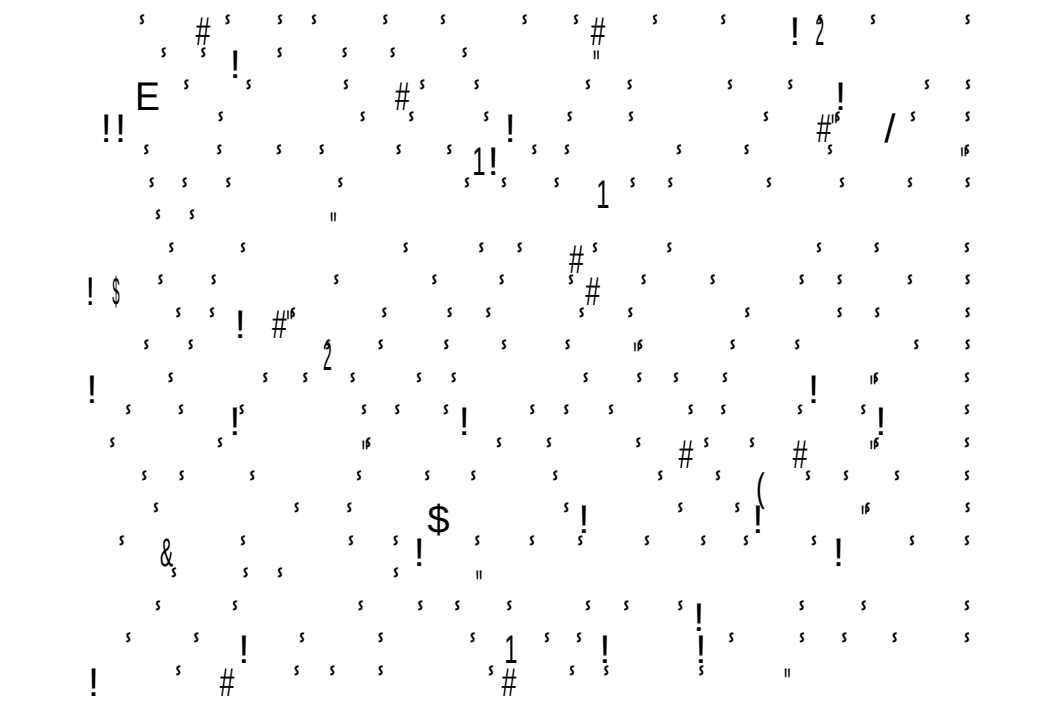
The food of the Hurdanos is as noxious as it is scanty. The potato is the general stand-by, either boiled or cooked with crude goat's suet; sometimes beans fried in the same grease, and lastly the leaves of trees, boiled; with roots, the stalks of certain wild grasses, chestnuts, and acorns. Bread is practically unknown—all they ever have is made of coarse rye and such crusts as they obtain by begging outside their district. Only when at the point of death is wheaten bread provided.

A WOLF-PROOF SHEEPFOLD ON THE ALAGÓN, NORTH ESTREMADURA
Walls 10 feet high: note the shepherd's dwelling alongside. Within are sheep.

Their clothing consists of a shapeless garment reaching from the hip to the knee, a shirt without collar, fastening with one button, and a sack carried over the shoulder. They have no warm clothing and all go barefoot. The women are even less tidy and dirtier than the men. Never have they a vestige of anything new—nothing but discarded garments obtained by begging, or in exchange for chestnuts, at the distant towns. Their usual "fashion" is never to take off, to mend, or to wash any rag they have once put on—it is worn till it falls off through sheer old age and dirt. They never wash nor brush their hair, and go bare-legged like the men.

These, moreover, are the richest; the majority being clad in goatskins (untanned) that they kill or that die. These skins the men fix round

[1] *Diccionario geografico, estadistico, y historico de España*, by Pascual Madoz (Madrid, 1845).



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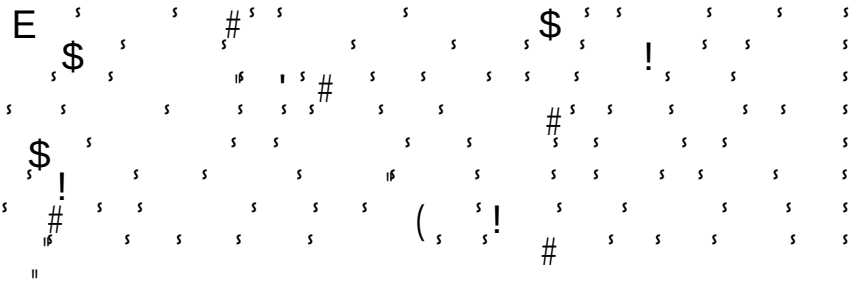

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whereabouts of the game. He, too, has seen us, and is even now considering whether there be sufficient cause for setting his convoy in motion. If we disappear below the level of his range, he will settle the point negatively, setting us down as merely some of those agricultural nuisances which so often cause him alarm but which his experience has shown to be generally harmless —for attempts on his life are few and far between.

Another charming spectacle it is in the summer-time to watch a pack of bustard about sunset, all busy with their evening feed among the grasshoppers on a thistle-clad plain. They are working against time, for it will soon be too dark to catch such lively

THE GREAT BUSTARD

prey. With quick darting step they run to and fro, picking up one grasshopper after another with unerring aim, and so intent on pursuit that the best chance of the day is then offered to a gunner, when greed for a moment supplants caution and vigilance is relaxed. But even now a man on foot stands no chance of coming anywhere near them. His approach is observed from afar, all heads are up above the thistles, every eye intent on the intruder; a moment or two of doubt, two quick steps and a spring, and the broad wings of every bird in the pack flap in slowly rising motion. The tardiness and apparent difficulty in rising from the ground which bustards exhibit is well expressed in their Spanish name *Avetarda*[1] and recognised in the scientific cognomen

[1] *Avetarda* is old Spanish, the modern spelling being *Abutarda*.

of *Otis tarda*. Once on the wing the whole band is off with wide swinging flight to the highest ground in the neighbourhood.

The chase of the great bustard presents characteristics and attractions peculiar to itself and differing from that of all other winged game. Rather it resembles the scientific pursuit of big game; for this is a sport in which the actual shot becomes of secondary importance, merely a culminating incident—the consummation of previous forethought, fieldcraft, and generalship. Success in bustard-shooting—alike with success in stalking—is usually attributable to the leader, who has planned the operation and directed the strategy, rather than to the man who may have actually killed the game. We here refer exclusively to what we may be permitted to call the scientific aspect of this chase, as practised by ourselves and as distinguished from other (and far more deadly) methods in vogue among the Spanish herdsmen and peasantry. Before describing the former system, let us glance at native methods of securing the great bustard.

During the greater part of the year bustard are far too wary to be obtained by the farm-hands and shepherds who see them every day—so accustomed are the peasantry to the sight of these noble birds that little or no notice is taken of them and their pursuit regarded as impracticable. There is, however, one period of the year when the great bustard falls an easy prey to the clumsiest of gunners.

During the long Andalucian summer a torrid sun has drunk up every brook and stream that crosses the cultivated lands; the chinky, cracked mud, which in winter formed the bed of shallow lakes and lagoons, now yields no drop of moisture for bird or beast. The larger rivers still carry their waters from sierra to sea, but an adaptive genius is required to utilise these for purposes of irrigation. All water required for the cattle is drawn up from wells; the old-world lever with its bucket at one end and counterpoise at the other has to provide for the needs of all. These wells are distributed all over the plains. As the herdsmen put the primitive contrivance into operation and swing up bucketful after bucketful of cool water, the cattle crowd around, impatient to receive it as it rushes down the stone troughing. The thirsty

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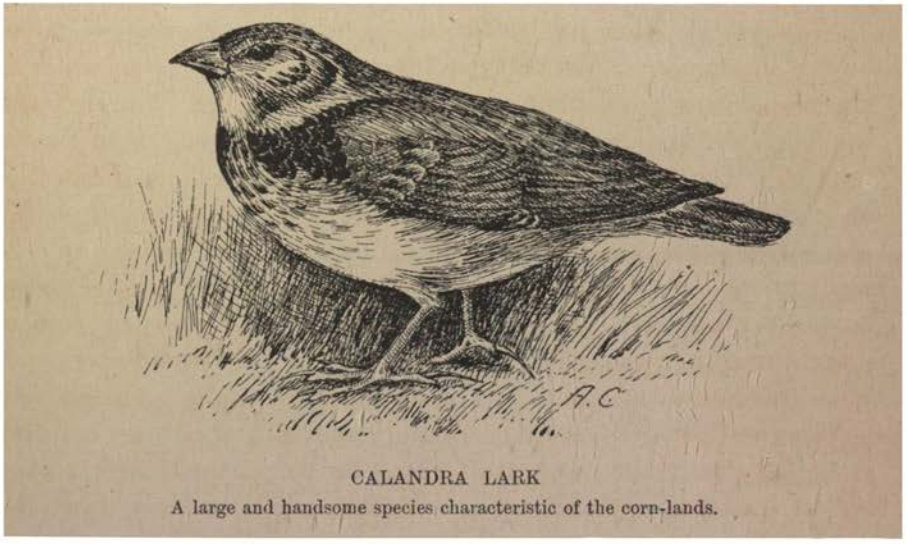
Any number of bewildered victims can thus be gathered, for larks and such-like birds fall into a helpless state of panic when once focussed in the rays of the lantern.

When the bustard is the object of pursuit, two men are required, one of whom carries a gun. The pack of bustard will be carefully watched during the afternoon, and not lost sight of when night comes until their sleeping-quarters are ascertained. When quite dark, the tinkling of the *cencerro* will be heard, and a ray of light will surround the devoted bustards, charming or frightening them—whichever it may be—into still life. As the familiar sound of the cattle-bell becomes louder and nearer,



CALANDRA LARK

A large and handsome species characteristic of the corn-lands.

the ray of light brighter and brighter, and the surrounding darkness more intense, the bustards are too charmed or too dazed to fly. Then comes the report, and a charge of heavy shot works havoc among them. As bands of bustards are numerous, this poaching plan might be carried out night after night; but luckily the bustards will not stand the same experience twice. On a second attempt being made, they are off as soon as they see the light approaching.

The third (and by far the most murderous) means of destruction is due, not so much to rural peasantry as to *cazadores*—shooters from adjoining towns—men who should know better, and whom, in other respects, we might rank as good sportsmen; but who, alas! can see no shame in shooting the hen-bustards with their half-fledged broods in the standing corn during June and July—albeit the deed is done in direct contravention of the game-laws! Dogs,

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C<,;.' 43-' .915')*83-.9>' :/55/<-,' 34' : 3.9,-5' 81.9' .9,1-' =-33+5' 1*' 5) : : ,-' /*+' .9,' .83' <7) : 5>' /-.141<,5' =,43-,' : ,*.13*,+' .9,' =)5./-+5' /-,' 7,4.' ;-/<.1</77>')*: 37,5.,+A .9,1-' 817+*,55' /*+' .9,' 3;,*' */.)-,' 34' .9,1-' 9/)*.5' +,4>' /77' .9,' 5.-/.,2>' 34' */.1?,' 4387,-5' 9,' 9,* =)5./-+' +,;351.5' 9,-' ,225A)5)/77>' .9-,,' =).' 3*' ?,->' -/-,' 3<</513*5' 43)-' A' /:3*2' .9,' 2-,,*' ;-17' <3-*8 1*<)=/.13*' /*+' .9,' -,/-1*2' 34' .9,' >3)*2' ./0,' ;7/<,' 1*' .9,' 5,<)-1.>' 34' ?/5.' 517,*.' 5.-,.<9,5' 34' 8/?1*2' 89,/.' 9,' >3)*2' =)5./-+5' 2-38' 81.9' .9/.' 89,/.' /*+' ,-,' 1.' 15' -,/;,+' D)*7,55' ;-,:/.)-,7>' :/55/<-,+' /-,' /=7,' .3' .0,' </-,' 34' .9,:5,7?,5' 53 :,89/.' :3-,' 7,21.1 :/.,' :,.93+' 34' 3).81..1*2' .9,' 2-,/.' =)5./-+' 15' ;-/<.15,+' /.' .915' 5,/53*')-1*2' 9/-?,5.' 8917,' .9,' <3)*.->' 15' =,1*2' <7,/-,+' 34' <-3;5' .9,' =1-+5' =,<3 :,' /<<)5.3 :,+' .3' 5,' =)773<0 </-.5'+/17>' ;/551*2' 81.9' <-,/01*2' 89,,' .3' </-->' /8/>' .9,' 59,/?,5' 4-3 :' .9,' 5.)==7,' .3' .9,' 3-' 7,?,77,+' .9-,591*2 2-3)*+' 89,-,' .9,' 2-/1*' 15' .-3++,*' 3).' ;/*159' 4/5913*' =>' .,/:5' 34' :/-,5' 9,' 73/*' 34' /' 81.9' 1.5' ;/1-' 34' 3C,*' /*+' .9,1-' +-1?,-' 9/?1*2' =,,*' 3=./1*,+' .9,' </-.' 15' -122,+');' 81.9' A .9/.' 15' ,5;/-.3 :/..1*2' 5.-,.<9,+' -3)*+' .9,');-129.5' 891<9' 5,-?,' .3' 937+' .9,' 73/+' 34' 59,/?,5' 1*' ;351.13*' ' 4,8' 5/<05' 34' 5.-/8' .9-38*' 3*' .9,' 4733-' 34' .9,' </-.' 5/?,' 3*,' 1*' 53 :,' 5 :/77' +,2-,,' 4-3 :' .9,' :,-<17,55' E37.1*2' 34' .915' ;-1 :1.1?,' <3*?,>/*<,' 3*' -3)29' 2-3)*+' 83' 3-' .9-,,' 2)*5' </*' 41*+' -33 :' .9,-,1*' 8917,' .9,' +-1?,-' 7>1*2' 43-8/-+' +1-,<.5' .9,' .,/:' 81.9' /' 23/+

915' :3?1*2' =/..,->' 4/1-7>' -,5,:=7,5' /' 73/+' 34' 59,/?,5' /*+' 8,77' +3' 8,' -,:,:,=,-' .9,' .,--1=7,' 5)41=</.1*2' 9,/.' 8,' 9/?,' ,*+)-,+' 59).');' 43-' 93)-5' 1*' .915' .91*2' +)-1*2' .9,' =7/I1*2' +/>5' 34')7>' /*+')2)5.' 9,' -,5)7.' *,?,-.9,7,55' -,;/>5' /77' 5)44,-1*2' ,' -,4,-' .3' *3' :,-,' <>*,2,.1<' ;-1+,' =).' .3' .9,' ,*+)-1*2' E3>' 34

observing, at close quarters and still unsuspicious, these glorious game-birds at home on their private plains. The local idea is to fire through a slit previously made in the *estéras*; but somehow, when the cart stops and the game instantly rises, you find (despite care and practice) that the birds always fly in a direction you cannot command or where the narrow slit forbids your covering them. Hence we adopted the plan of sliding off behind as the cart pulled up, thus firing the two barrels with perfect freedom. We have succeeded by this means in bringing to bag many pairs of bustard during a day's manœuvring.

SPANISH THISTLE AND STONECHAT

We now come to the system of bustard-driving, which we regard as practically the only really legitimate method of dealing with this grand game. From the end of August onwards the young bustards are perfectly capable of taking care of themselves. The country is then cleared of crops, and while this precludes the birds being "done to death" as in the weeks immediately preceding, yet the ubiquitous thistles (often of gigantic size, ten or twelve feet in height), charlock, and *viznagas* provide welcome covert for concealing the guns, while the heat still renders the game somewhat more susceptible to the artifices of the fowler. This is the easiest period.

5ʻ .9,ʻ 5,/53*ʻ /+?/*<,5ʻ .9,ʻ 9)*.,-5ʻ +1471<)7.1,5ʻ 1*<-,/5,ʻ 9,ʻ =-38*ʻ ,/-.9ʻ =,<3:,5ʻ +/17>ʻ :3-,ʻ /*+ʻ :3-,ʻ */0,+ʻ 8917,ʻ 417,5ʻ 34ʻ 5738 :3?1*2ʻ 3C .,/:5ʻ ,?,->89,-,ʻ .-/?,-5,ʻ .9,ʻ 5.)==7,ʻ ;73)291*2ʻ 7,/2),73*2ʻ 4)--385ʻ .8,*.>ʻ /=-,/5.ʻ 9,5,ʻ 4/<.3-5ʻ <3:=1*,ʻ .3ʻ /1+ʻ .9,ʻ 2/:,ʻ /*+ʻ 5.-,.<9ʻ .3ʻ 1.5ʻ).:;5.ʻ 71:1.ʻ .9,ʻ ?,*/.1<ʻ 1*5.1*<.5ʻ 34ʻ .9,ʻ 4387,-

,.ʻ)5ʻ *38ʻ /..,:;.ʻ .3ʻ +,5<-1=,ʻ /ʻ +/>5ʻ =)5./-+ +-1?1*2ʻ 3*ʻ 5<1,*.141<ʻ 71*,5ʻ 9,ʻ +15.-1<.ʻ 9/?1*2ʻ =,1*2ʻ 5,7,<.,+ʻ 1.ʻ 15ʻ /+?15/=7,ʻ .3ʻ 5,*+ʻ 3).ʻ .9,ʻ *129.ʻ =,43-,ʻ /ʻ .-)5.83-.9>ʻ 5<3).ʻ 893ʻ 8177ʻ 57,,;ʻ /.ʻ .9,ʻ $ʻ /*+ʻ =,ʻ /=-3/+ʻ 81.9ʻ .9,ʻ +/8*ʻ 1*ʻ 3-+,-ʻ .3ʻ 73</.,ʻ ;-,@ <15,7>ʻ .9,ʻ ?/-13)5ʻ &ʻ 3-ʻ .-33;5ʻ 34ʻ =)5./-+ʻ 1*ʻ .9,ʻ *,129@ =3)-933+ʻ 9,ʻ 5933.1*2;/-.>ʻ D.9-,,ʻ 3-ʻ 43)-ʻ 2)*5ʻ 43-ʻ <931<,ʻ =).ʻ 1*ʻ *3ʻ </5,ʻ .3ʻ ,C<,,+ʻ 51Cʻ 437738ʻ 1*ʻ .9,ʻ :3-*1*2A -1+1*2ʻ /5ʻ /ʻ -)7,ʻ .3ʻ .9,ʻ -,*+,I?3)5ʻ .93)29ʻ 593)7+ʻ .9,-,ʻ =,ʻ /ʻ 9129 -3/+ʻ /?/17/=7,ʻ 1.ʻ 15ʻ 53:,.1:,5ʻ <3*?,*1,*.ʻ .3ʻ +-1?,ʻ D3-ʻ *38/+/>5ʻ ,?,*ʻ .3ʻ :3.3-ʻ 9/?1*2ʻ 1*ʻ .9/.ʻ </5,ʻ 5,*.ʻ .9,ʻ 5/++7,93-5,5ʻ 43-8/-+ʻ /73*2ʻ 81.9ʻ .9,ʻ 5<3).ʻ 3*ʻ .9,ʻ ;-,?13)5ʻ +/>

--1?,+ʻ /.ʻ .9,ʻ $ʻ .9,ʻ 5<3).ʻ =-1*25ʻ 1*ʻ 915ʻ -,;3-.ʻ /*+ʻ /.ʻ 3*<,ʻ 2)*5ʻ /*+ʻ +-1?,-5ʻ /77ʻ :3)*.,+ʻ ;-3<,,+ʻ .38/-+5ʻ .9,ʻ *,/-,5.ʻ 34ʻ .9,ʻ :/-0,+ʻ 3.ʻ 3*7>ʻ /-,ʻ .9,ʻ +15./*<,5ʻ .3ʻ =,ʻ <3?,-,+ʻ 53ʻ 2-,/.ʻ /5ʻ .3ʻ -,*+,-ʻ -1+1*2ʻ /ʻ *,<,551.>ʻ =).ʻ .9,ʻ)5,ʻ 34ʻ 93-5,5ʻ 9/5ʻ .915ʻ 4)-.9,-ʻ /+?/*./2,ʻ .9/.ʻ =)5./-+ʻ ,?1*<,ʻ 7,55ʻ 4,/-ʻ 34ʻ :3)*.,+ʻ :,*ʻ /*+ʻ .9)5ʻ ;,-:1.ʻ 34ʻ *,/-,-ʻ /;;-3/<9ʻ 9,ʻ +-1?,-5ʻ 593)7+ʻ *):=,-ʻ .9-,,A .9,ʻ <,*.-,ʻ .3ʻ 47)59ʻ .9,ʻ =1-+5ʻ .83ʻ 47/*0,-5ʻ .3ʻ 2/773;ʻ /.ʻ .3;ʻ 5;,,+ʻ 1*ʻ /*>ʻ +1-,<.13*ʻ 593)7+ʻ .9,ʻ 2/:,ʻ +1?,-2,ʻ 4-3:ʻ .9,ʻ -,6)1-,+ʻ <3)-5,ʻ 3-ʻ /..,:;.ʻ .3ʻ =-,/0ʻ 3).ʻ 7/.,-/77>

,*ʻ :1*).,5ʻ -1+,ʻ /*+ʻ 8,ʻ /-,ʻ 81.91*ʻ ?1,8ʻ 34ʻ 3)-ʻ 41-5.ʻ 5.177ʻ /ʻ :17,ʻ /8/>ʻ 9,>ʻ :/>ʻ =,ʻ 4,,+1*2ʻ 3*ʻ 53:,ʻ =-3/+ʻ 573;,ʻ -,5.1*2ʻ 3*ʻ .9,ʻ <-,5.ʻ 34ʻ /ʻ -1+2,ʻ 3-ʻ +/8+71*2ʻ 3*ʻ /ʻ 7,?,7ʻ ;7/1*ʻ B =).ʻ 89,-,?,-ʻ .9,ʻ 2/:,ʻ :/>ʻ =,A 89/.,?,-ʻ .9,ʻ 5./.,21<ʻ ?/7),ʻ 34ʻ .9,1-ʻ ;351.13*A /.ʻ 7,/5.ʻ .9,ʻ +,<1513*ʻ 34ʻ 3)-ʻ 38*ʻ ./<.1<5ʻ :)5.ʻ =,ʻ <71*<9,+ʻ /.ʻ 3*<,ʻ 3ʻ 73*2ʻ 71*2,-1*2ʻ 81.9ʻ 4).17,ʻ +15<)5513*ʻ *3ʻ 9,51./.13*ʻ 3-ʻ <3*.1*),+ʻ 5;>1*2ʻ 81.9ʻ .9,ʻ 27/55ʻ 15ʻ ;,-:1551=7,ʻ)<9ʻ 43771,5ʻ 1*5.17ʻ 1*5./*.ʻ 5)5;1<13*ʻ 1*.3ʻ .9,ʻ /5.).,ʻ =-/1*5ʻ 3*ʻ >3*+,-ʻ 9177ʻ /*+ʻ .9,ʻ 93*3)-5ʻ 34ʻ .9,ʻ 41-5.ʻ -3)*+ʻ ;/55ʻ .3ʻ .9,ʻ ,*,:>

3-ʻ .915ʻ -,/53*ʻ 1.ʻ 15ʻ 1:;,-/.1?,ʻ .3ʻ /;;31*.ʻ 3*,ʻ 7,/+,-ʻ ?,5.,+

R ʻ 7/-23ʻ 1*:1=,-ʻ 34ʻ 93-5,:,*ʻ 1*,?1./=7>ʻ ,C<1.,5ʻ 5)5;1<13*ʻ 1*ʻ 2/:,ʻ)*/<<)5.3:,+ʻ .3ʻ 5,ʻ :3-,ʻ .9/*ʻ .9-,,ʻ 3-ʻ 43)-ʻ :,*ʻ .32,.71,-

81.9‘ 5) ; -, : ,‘ /) .93-1.>‘ /*+‘ 8935,‘ +1-,<.13*5‘ /77‘ :)5.‘ 3=, >‘ 1*5. / *. 7>‘ / *+‘ 1 : ; 71<1.7>

, ,+7,55‘ .3‘ 5/>‘ .9 / .‘ 7, / +, -‘ :)5.‘ ; 355,55‘ /‘ .713-3) 29‘ 0*387,+2,‘ =3.9‘ 34‘ .9 ,‘ 9 /=1.5‘ 34‘ =)5. / -+‘ / *+‘ .9 ,‘ 71,‘ 34‘ /‘ <3) * .-> A /73*2‘ 81.9‘ .9 ,‘ - / .9 , -‘ - / -,‘ 4/ <) 7.>‘ 34‘ +1/ 2*351*2‘ / .‘ /‘ 27 / *<,‘ 1.5‘ G‘ / +?/ *. / 2,5 H‘ 1.5‘ + / *2, -5‘ / *+‘ 1.5‘ 5/71, *.‘ ; 31*.5‘ 3?, -‘ 53 : ,‘ 9 /74 7, / 2) ,‘ 34‘ 5; /<, ‘ 3*,‘ .33‘ <3 : : 3*‘ / *‘ / ..-1=) . ,‘ .9 / .‘ 89, -,‘ /77‘ .9 ,‘ 81+,‘ ; -35; ,<.‘ 15‘ 2-, >‘ 3-‘ 2-, , *‘ ?/ ->1*2‘ /<<3-+1*2‘ .3‘ ,?, - <9 / *21*2‘ 7129.5‘ / *+‘ .9 ,‘ +38*7 / *+5‘ 53‘ 2, *.7>‘ 2- / +, +‘ /5‘ 3<< / 513* / 77>‘ .3‘ +, <, 1?,‘ .9 ,‘ ?, ->‘ ,7, <. ‘ #) <9‘ 34‘ .9 ,‘ =)5. / -+ <3) *. ->‘ / ; ; , / -5‘ /77‘ =) .‘ 47 / .‘ 53‘ 57129.‘ / -,‘ 1.5‘ 437+5‘ / *+‘) *+) 7 / .13*5B 8917,‘ ,?, *‘ .9 ,‘ : 3-,‘ 4 / ?3) -1*2‘ -, 213*5‘ / -,‘ - / -, 7>‘ 53‘ =37+7>‘ <3*.3) -, +‘ /5‘ / 715=) ->‘ 7 / 1*‘ 9 ,‘ 7, / +, -‘ :)5.‘ <3 : =1*,‘ 53 : ,‘ 34‘ .9 ,‘ 6) / 71.1,5‘ 34‘ /‘ 41,7+ : / -59 / 7‘ 81.9‘ .9 ,‘ 50177‘ 34‘ /‘ +, , - 5. / 70, -‘ / *+‘ / ‘ =1.‘ 34‘ -, +‘ *+1 / *‘ 57,) .9‘ .9-38*‘ 1*‘) <017>‘ 5) <9‘ : / 5., -5‘ 34‘ .9 ,‘ <- / 4.‘ / -,‘ *3.‘ , *.1-, 7>‘ 7 / <01*2‘ .3‘)5

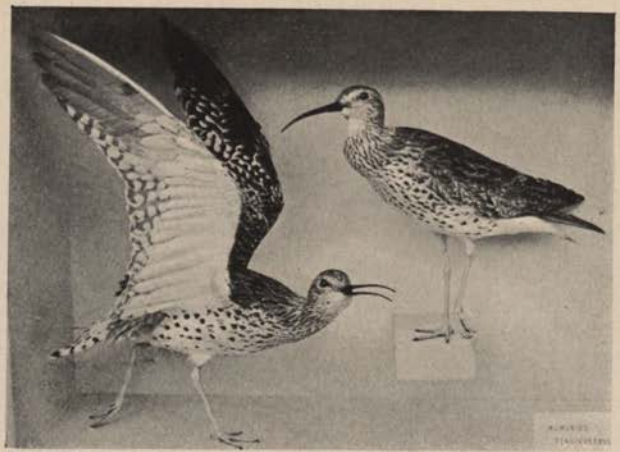
9 ,‘ .93) 29.5‘ -, ?37?1*2‘ 1*‘ .9 ,‘ 7, / +, - 5 : 1*+‘ +) -1*2‘ 915‘ =-1, 4‘ 5) -?, >‘ 437738‘ .9, 5,‘ 2, *, - / 7‘ 71*, 5V 1-5.‘ 891<9‘ 15‘ D / ‘ .9 ,‘ 4 / ?3) -1.,‘ / *+‘ DQ‘ .9 ,‘ : 35.‘ 4 / ?3) - / =7,‘ 71*,‘ 34‘ 47129.‘ 34‘ .935,‘ =)5. / -+5‘ 89, *‘ +15.) -=, +B 5, <3*+7>‘ 89, -,‘ </ *‘ 2) *5‘ =, 5.‘ =,‘ ; 7 / <, +‘ / .98 / -.‘ .9 / .‘ 71*, B .91-+7>‘ 938‘ </ *‘ .9 ,‘ 2) *5‘ -, / <9‘ .9, 5,‘ ; 31*.5‘) *5, , *‘ F ‘ <3*+1.13*‘ ; -, <, +, *.‘ .3‘ 5) <<, 55‘ 15‘ .9 / .‘ .9 ,‘ 41-1*2 71*,‘ 59 / 77‘ =,‘ +- / 8*‘ +-3) *+‘ .9 ,‘ =)5. / -+5‘ 4 / 1-7>‘ <735,‘) ; ‘ >, .‘ 81.93) .‘ .9, 1-‘ 0*387,+2, ‘ 38‘ 81.9‘ 817+ 2 / : ,‘ 1*‘ 3; , *‘ <3) *.1>‘ +, ?31+‘ 34‘ 4, *<, 5‘ 9377385‘ 3-‘ <3?, -.‘ 34‘ / *>‘ +, 5<-1; .13*‘ .9 / .‘ ; -3=7, : ‘ ; -, 5, *.5‘ 1*1.1 / 7‘ +1.41<) 1.1, 5‘ .9 / .‘ : / >‘ 8, 77‘ / ; ; , / -‘ 1*5) ; , -/ =7, ‘) .‘ .9, >‘ / -,‘ - / -, 7>‘ 6) 1., ‘ 53‘ .‘ 15‘ 9, -,‘ .9 / .‘ .9, ‘ 41, 7+<- / 4.‘ 34‘ .9 ,‘ 7, / +, -‘ <3 : ,5‘ 1*‘ ,‘ 9 / 5‘ +, . , <. , +‘ 53 : ,‘ 57129.‘ 437+‘ .9 / .‘ 8177‘ 59, 7. , -‘ 93-5, : , *‘) ;‘ .3‘ / 21?, *‘ ; 31*.‘ / *+‘ =, >3*+‘ .9 / .‘ 5<-, , *‘ / ‘ <-3) <91*2‘ 412) -,‘ .3‘ 81.91*‘ %!!‘ >/ -+5‘ 34‘ .9 ,‘) *<3*5<13) 5‘ ‘ / -, 7>‘ +3‘ 8 / . , -<3) -5, 5‘ 3-‘ ?/ 77, >5‘ 34‘ 5) 441<1, *.‘ +, ; .9‘ 7, *+‘ / ‘ 8, 7<3 : ,‘ / 1+‘ B -, <3) -5,‘ :) 5.‘) 5) / 77>‘ =,‘ 9 / +‘ .3‘ .9 ,‘ -, ?, -5,‘ 573; ,‘ 34‘ .9 ,‘ 9177‘ 89, -, 3*‘ .9 ,‘ =)5. / -+5‘ 9 / ; ; , *‘ .3‘ =,‘ 1.93) .‘ / ‘ 9 / 7.‘ .9 ,‘ ; / -.>‘ -1+,‘ -3) *+‘ .177‘ 3) .‘ 34‘ 5129.‘ .‘ .9 ,‘ 4 / -.9, 5.‘ 5 / 4,‘ / +? / *<, ‘ .9 ,‘ 2) *5‘ +15 : 3) *.‘ / *+‘ ; -3<, , +‘ .3‘ 5; -, / +‘ .9, : 5, 7?, 5‘ 3) . A 53‘ 4 / -‘ /5‘ ; 3551=7, ‘ 1*‘ /‘ 5, : 1<1-<7, A / -3) *+‘ .9 ,‘ 43<7‘ ; 31*. R‘ .‘ &!‘ >/ -+5‘ / ; / -.‘ , / <9‘ 71, 5‘ ; -3*,‘ 3*‘ , / -.9‘) .17151*2‘ 5) <9‘ 59, 7., -

‘ 9,‘ 93-5, 5‘ 14‘ 2-3) *+‘ ; , - : 1.5‘ : / >‘ =,‘) .1715, +‘ /5‘ G 5.3; 5H‘ .3‘ , C.-, : ,‘ -129.‘ / *+‘ 7, 4.‘ 34‘ .9 ,‘ +-1?, ‘ 3.9, -815,‘ .9 ,>‘ :)5.‘ =,‘ <3*<, / 7, +‘ 1*‘ 53 : ,‘ <3*?, *1, *.‘ 937738‘ 1*‘ <9 / -2,‘ 34‘ /‘ =3>‘ 3-‘ .83

(1) AS HATCHED.

(2) AT TWENTY DAYS OLD.

(3) AT ONE MONTH.



SLENDER-BILLED CURLEW (NUMENIUS TENUIROSTRIS).

[*See* CHAPTER ON "BIRD-LIFE," *infra*.]

D14' / *> ' /5' : />' ,R<15.' 3*' .9,' * /0,+' +,<71*, A 5/>' 50,7,.3*' .915.7,5' /' .)4.' 34' 817+' /5;/-/2)5' 3-' 3*' -/-,' 3<</513*' 53 : ,' */.)-/7' =/*0' 3-' .1*>' -/1* 5<33;

/?1*2' *38' 5)<<,,+,+' 1*' ;7/<1EE2' 915' 2)*5')*5,,*' /*+' 81.91*' /' 4/./7' -/+1)5' .9,' 7,/+,-' : />' <3*2-/.)7/.,' 91 : 5,74' .9/.' 915' : /1*' 3=E,<.' 9/5' =,,*' /<91,?,+' *' .9,' *,/-*,55' 34' .9,' 71*,' .3' .9,' 2/ : ,' /*+' 3*' 915' <3--,<.' +1/2*3515' 34' .9,' =)5./-+5' 47129.' +,;,*+5' .9,' 155),

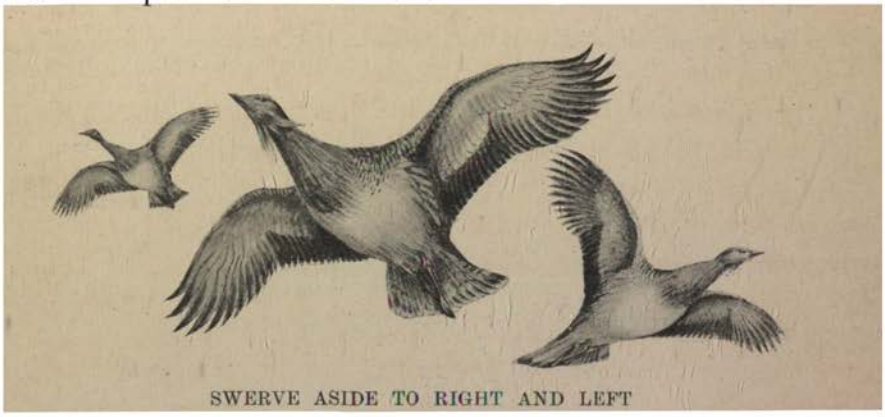
Y .' : />' =,' /++,+' .9/.' =)5./-+' /-,' 3<</513*/77>' 43)*+' 1*' 51.)/@ .13*5' .9/.' 344,-' *3' -,/53*/=7,' 93;,' 34' /' 5)<<,554)7' +-1?,' .' : />' .9,*' D593)7+' *3' 3.9,-5' =,' 0*38*' 81.91*' .9,' -/+1)5' 34' /<.13*' =,<3 : ,' /+?15/=7,' 2,*.7>' .3' G : 3?,H' .9,' 1*,C;)2*/=7,' .-33;B' -,:,:=,-1*2' .9/.' 3*<,' .9,5,' =1-+5' -,/715,' .9/.' .9,>' /-,' =,1*2' G' +-1?,*H' .9,' 710,71933+' 34' 5)=5,6),*.7>' ;)..1*2' .9,:' 3?,-' .9,' 2)*5' 9/5' ,*3-:3)57>' +,<-,/5,+' 9,-,' /<<-),5' /*' 1*<1+,*./7' /+?/*./2,' 1*' .915' 3;,-/.13*' 43-' /4.,-' G' : 3?1*2' H' .9,:' .3' :3-,' 4/?3)-1*2' 2-3)*+' 1.' 8177' *3.' =,' *,<,55/->' .3' 71*,);' .9,' 2)*5' 6)1.,' 53' *,/-' /5' 15')5)/77>' ,55,*.1/7' .3' 5)<<,55' 3-' =)5./-+5' ;355,55' 53' 5.-3*2' /*' /../<9:,*.' .3' .9,1-' + ' 3-' 1*+1?1+)/7' 9/)*.5' .9/.' .9,>' />' =,' -,71,+');3*' 3*' =,1*2' +15.)-=,+' /' 5,<3*+' .1:,' .3' 81*2' /' <3)-5,' :3-,' 3-' 7,55' 1*' .9,' +1-,<.13*' 34' .9,1-' 3-121*/7' ;351.13*' ,' 21?,' /' 5;,<141<' 1*5./*<,' 34' .915' 7/.,-

/<9' ;/<0' 34' =)5./-+' 9/5' 1.5' 38*' + ' /*+' 8177' =,' 43)*+' /.' <,-./1*' 93)-5' .3' 4-,6),*.' <,-./1*' ;7/<,5' 915' 73</7' 0*387,+2,' 14' 3=./1*/=7,' 5/?,5' 1*41*1.,' .1:,' /*+' ?/5.' +15./*<,5' .-/?,-5,+' 1*' 5,/-<9' 34' 2/:,' 8935,' /;;-3C1:/.,' ;351.13*5' /4.,-' /77' : />' .9)5' =,' /5<,-./1*,+' =,43-,9/*+Z

38' 8,' 9/?,' ;7/<,+' 3)-' 2)*5' 1*' 71*,' /*+' 81.91*' .9/.' 593-.' +15./*<,' 34' .9,')*5)5;,<.1*2' 2/:,' .9/.' /77' =).' /55)-,5' /' <,-./1*' 593.' ,' </**3.' 7,.')5' <3*4,55' -,</77' : /*>' :3:,*.5' 1*' 714,' 34' :3-,' .,*5,' ,C<1.,:,*.' .9/*' .935,' 5;,*.' .9)5' 7>1*2' ;-3*,' 3*' .9,' 2,*.7,' 573;,' 715.,*1*2' 81.9' ,?,->' 5,*5,' 3*' 5.-,.<9' 43-' .9,' <-1,5' 34' .9,' 2/773;1*2' =,/.,-5' /5' 1*' 817+' </-,,-' .9,>')-2,' .9,' 9)2,' =1-+5' .38/-+5' /' 4/./7' <3)-5,' ,43-,')5' -15,5' .9,' <)-?1*2' -1+2,' 1.5' 5) : :1.' 59/-;7>' +,41*,+' /2/1*5.' /*' /I)-,' 50>A /I)-,' =).' ,:;.>' 38' .9,' 7129.' /1-' 8/4.5' .3' 3)-' ,/-' .9,' .) :)7.)3)5' ;)75/.13*5' 34' 21/*.' 81*25' /*+' 41?,' 5,<3*+5' 7/.,-' .9/.' ,-5.' ,:;.>' ,.9,-' 15' <-38+,+' 81.9' .83' 5<3-,' 9)2,' 43-:5' 9/.' /' 5<,*,A /*+' 89/.

commotion as, realising the danger, each great bird with strong and laboured wing-stroke swerves aside. One enormous *barbon* directly overhead receives first attention; a second, full broadside, presents no more difficulty, and ere the double thuds behind have attested the result, we realise that a third, shying off from our neighbour, is also "our meat." This has proved one of our luckier drives, for the *bandada*, splitting up on the centre, offered chances to both flanks of the blockading line—chances which are not always fully exploited.

We have stated, earlier in this chapter, that among the various component factors in a bustard-drive the actual shot is



SWERVE ASIDE TO RIGHT AND LEFT

of minor importance. That is so; yet truly remarkable is the frequency with which good shots constantly miss the easiest of chances at these great birds. Precisely similar failures occur with wild-geese, with swans—indeed with all big birds whose wing-action is deliberate and slow. Tardy strokes deceive the eye, and the great bulk of the bustard accentuates the deception—it seems impossible to miss them, a fatal error. As the Spanish drivers put it: "Se les llenaron el ojo de carne," literally, "the bustards had filled your eye with meat"—the hapless marksmen saw everything bustard! Yet geese with their 40 strokes fly past ducks at 120, and the bustard's apparently leisured movement carries him in full career as fast as whirring grouse with 200 revolutions to the minute. To kill bustard treat them on the same basis as the smaller game that appears faster but is not.

Bustards being soft-plumaged are not hard to kill. As compared with such ironclads as wild-geese, they are singularly

- ' 8 !* ,+*! (/_RY

,/517>' 0177,+' /*+' 81.9' ' 593.' :/>'=,'+-3;;,+' 5.3*, +,/+' /.' &!' /*+' ,?,*' /.' L!!'>/-+5' ';/1-' 34' 2)*5' :/>'.9)5';-341./=7>' =,'=-3)29.'1*.3' /<.13*

)5./-+5'5,7+3:'-)*'=).'.9,>'1?/70'?,->'4/5.',5;,<1/77>'89,*' /711-:,+' ,.8,,*'.9,'1*<,;.13*'=4'/'+-1?,'/*+'.9,':3:,*.'34' 47)591*2' 8,'9/?,'0*38*'.9,:'.3'<3?,-'9/74'/':17,'/*+':/*>' +-1?,5'4/17'381*2'.3'2/:,'9/?1*2'<3:;7,.,7>'/7.,-,+'1.5'3-121*/7' ;351.13*' *5./*<,5'9/?,'3<<)--,+'34'=)5./-+5'8/701*2'3?,-'.9,' +1?1+1*2'-1+2,'.3'.9,'/:/I,:,*.'34'.9,';-35.-/.,'5;3-.5:,*'3*' .9,'91.9,-'573;,' .-/*2,'.3'5/>'89,*'81*2,+'.9,>'+3'*3.' :/0,'344'=).'-,:/1*'89,-,'.9,>'9/?,'4/77,*'/*+'/*'37+':/7,' 8177')5)/77>'5938'4129.' 4'<3)-5,'14'7,4.'/73*,'/*+'3).'34'5129.' /'81*2,+'=)5./-+'8177'.-/?,7'4/-

'8,129.'<3<0=)5./-+'?/->'4-3:'5/>'!'.3' 7=5'1' /).):*');'.3'&'.3'%!'7=5'1*';-17' 9,'=122,5.'37+':/7,5'1*' 5;-1*2'-,/<9'%%'/*+'%('7=5'/*+'3*,'8,';-,5,*.,+'.3'.9,'/.13*/7' 377,<.13*'/.'3).9'P,*51*2.3*'5</7,+'%''7=5' 9,'=-,/5.=3*,' 34'.9,5,'=12'=1-+5'15')5)/77>'6)1.,'=/-,'/'93-*>'</77351.>'381*2' .3'4-1<.13*'81.9'.9,'2-3)*+'8917,'56)/..1*2'/*+'.9,'9,/+5'/*+' *,<05'34'37+':/7,5')5)/77>',C91=1.'2/;5'1*'.9,1-'23-2,3)5'5;-1*2' ;7):/2,A'1*+1</.1?,'34'5,?,-,',*<3)*.,-5'/:3*2'.9,:5,7?,5' ,*=)5./-+'5,7+3:',C<,,+'LM'7=5'/.'/*>'5,/53*

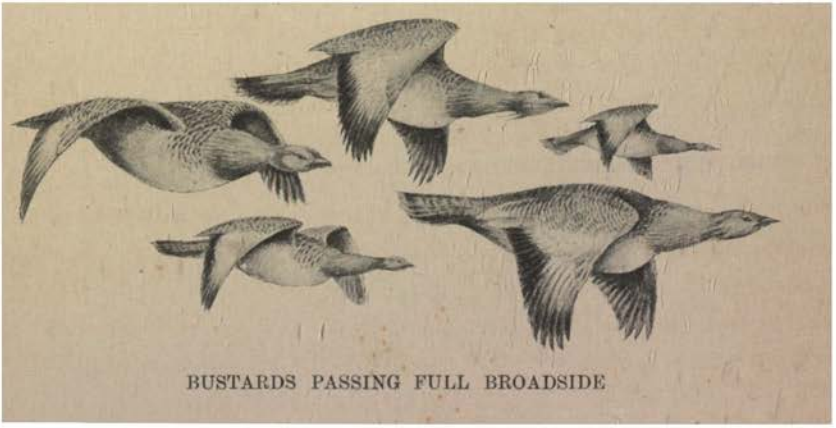
)5./-+'/-,')5)/77>'43)*+'1*'.-33;5'?/->1*2'4-3:'9/74/+31,*' =1-+5'.3'/5':/*>'/5'M!'3-'Q!'/*+'1*' ,;.,:=,-'8,'9/?,'5,,*' !!'.32,.9,-

)5./-+5933.1*2A=>'891<9'8,':,/*'7,21.1:/.,'+-1?1*2' +)-1*2'.9,'81*.,-':3*.95' ,;.,:=,-'.3' ;-17A15'*,<,55/-17>')*<,-./1*'1*'-,5)7.5' 3:,'+/>5'=1-+5':/>'*3.',?,*'=,'5,,*' .93)29'.915'15')*)5)/7'8917,'3*'3.9,-5':/*>'=12'=/*+5':/>'=,' :,.'81.9' ,*<,'1.'15'+1441<)7.'.3';).'+38*'/*'/?,-/2,'.93)29' 8,'-3)297>',5.1:/.,'/'=1-+'/2)*'/5'/*',C<,77,*.'+/>5'83-0' *3.')*)5)/7'=/2'43-'51C'2)*5'8177'=,'/=3).',129.'9,/+B'=).'8,' 9/?,'/*3.,'34'.83'+/>5'5933.1*2'1*' ;-17'D1*'.83'<3*5,<).1?,' >,/-5'89,*'/';/-.>'34',129.'2)*5'/77'8,77 0*38*'593.5'5,<)-,+' L'/*+' '=)5./-+'-,5;,<.1?,7>'.32,.9,-'81.9'/'51*27,'7,55,-' =)5./-+'3*',/<9'+/>' 915'8/5'3*'7/*+5'=,.8,,*' 7</*./-177/5' /*+' /5' /=,I/5'=).'1.'15'4/1-'.3'/++'.9/.'.9,'2-3)*+'9/+'=,,*' </-,4)77>';-,5,-?,+'=>'.9,'38*,-'/*+'.9,'3;,-/.13*'3-2/*15,+' -,2/-+7,55'34',C;,*5,

' :1*3-'+1441<)7.>'1*9,-,*.'.3'.915';)-5)1.'15'.3'5,7,<.'.9,

precise psychological moment to spring up to shooting-position. This indeed is a feature common to most forms of wild-shooting —such as duck-flighting, driving geese or even snipe; in fact there is hardly a really wild creature that can be dealt with from a comfortable position erect on one's legs. Imagine partridge-shooters at home, instead of standing comfortably protected by hedge or butt, being told to hide themselves on a wet plough or bare stubble. Here, in Spain, it may also be necessary to conceal the gun under one's right side (to avoid sun-glints), and that also loses a moment.

All one's care and elaborate strategy is ofttimes nullified through the blunders of a novice. Some men have no more sense of concealment than that fabled ostrich which is said to



BUSTARDS PASSING FULL BROADSIDE

hide its head in the sand (which it doesn't); others can't keep still. These are for ever poking their heads up and down or—worse still—trying to see what is occurring in front. We may conclude this chapter with a hint or two to new hands.

Never move from your prone position till the bustard are in shot, and after that, not till you are sure the whole operation is complete. There may yet be other birds enclosed though you do not know it.

Never claim to have wounded a bustard merely because it passed so near and offered so easy a shot that you can't believe you missed it. You did miss it or it would be lying dead behind.

All the same keep one eye on any bird you have fired at so long as it remains in view. Bustards shot through the lungs will sometimes fly half a mile and then drop dead.

,/-' <73.9,5' 5)1.,+' :3-,' 3-' 7,55' .3' ,*?1-3*:,*.A ' 8,' 5)22,5.' 43-' <931<, A =).' -,:,:=,-' .9/.' 1: :3=171.>' 15' .,*437+' :3-,' 1:;3-./*.' .9/*' <373)-' ';)-,' 891.,' 3=E,<.' .9/.' 15' 6)1,5<,*.' 15' 3?,-7330,+' 89,-,' /' <73DE7 34' .)-4' .9/.' ' /..-/<.5' 1*5./*.'/..,*.13*

*' 5;-1*2' 89,*' =)5./-+5' 23-2,' 3*' 2-,,*' 433+' 2-/773<9' >3)-' ?1<.1:5' /.' 3*<,' 3.9,-815,' .9,' 9/74 +12,5.,+' :/55' 1*' .9,' <-3;' D6)1<07>' +,<3:;35,5' /*+' +,5.-3>5' .9,' :,/.

,-,' 15' /*' ,C/:;7,' 34' /*' ,--3-' 1*' E)+2:,*.' .9/.' ;-/<.1</77>' /:3)*.,+' .3' /' =7)*+,-' ,43-,' 3)-' 8,77 <3*<,/7,+' 71*,' 5.33+' /' 2-/*+';/<0' =,.8,,*' .91-.>' /*+' 43-.>' =)5./-+' =,/).14)77>' G' 93-5,@ 593,+H' /*+' 6)1.,')*<3*5<13)5' .9,-,34' #3:,*./-17>' 8,',C;,<.,+' .9,1-' ,*.->A -129.' 1*' 3)-' 4/<,5X' .' .9/.' <-1.1</7 :3:,*.' .9,-,' /;;,/-,+' 81+,' 3*' .9,' -129.' 47/*0' /*+' /<.)/77>' =,91*+')5' .9-,' 9)2,' 37+' ' +1-,<.1*2' /' <3)-5,' .9/.' 83)7+' =-1*2' .9,:' /73*2' <735,' 1*' -,/-' 34' 3)-' 71*,' 3' (' 2)*' 3*' ,C.-,:,' -129.' ;-3;,-7>' /7738,+' .915' .-13' .3' ;/55F *3.' 53' 3' %').' .9,' <)7;-1.' 3*' -151*2' .3' 41-,' 9/+' .9,' <9/2-1*' .3' -,/715,' D.33' 7/.,' 915' ,--3-' 9,' 8937,' 5);,-=' /-:> <3-;5' 1*' 4-3*.' 8,-,' /.' .9/.' ?,->' :3:,*.' 58,,;1*2' 43-8/-+' +1-,<.' 3*' .9,' <,*.-,' 34' 3)-' 71*,X *' /*' 1*5./*.' .9,>' .330' 1.' 1*' 58,-?,+' :/E,5.1</77>' .3' .9,' 7,4.' /*+' ,5</;,+' 5<3.4-,,' 9/.' 3' %' 9/+' 5,<)-,+' /' -129./*+ 7,4.' /.' .9,' /+?,*.1.13)5' .-13' 1*' *3' 53-.' 34' 8/>',C<)7;/.,+' 915' :15./0,

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*' -,/<91*2' 3)-' ;31*.' D/' 5,?,*.,,* 0173 : ,.-,5' +-1?, ' .9,' 5<3).5' 5,*.' 3).' .9,' +/>' =,43-,' -,;3-.,+' .9-,,' =/*+5' *) : =,-1*2' -3)297>' 43-.>' 43-.>' /*+' 51C.,,*A 1*' /77' *,/-7>' /' 9)*+-,+' =1-+5' 9,' *,/-,5.' 73.' 8/5' .3' .9,' 8,5.' 9,5,' 8,' 43)*+' ,/517>' /*+' ' ' ' 23.' /' =-/<,' -129. /*+ 7,4.' 81.93).' 1*<1+,*.

1+1*2' =/<0' ,/5.8/-+5' .9,' 5,<3*+' ;/<0' 9/+' : 3?,+' =).' 8,' 593-.7>' +,5<-1,+' .9,' .91-+' 1*' .83' +1?1513*5' /' : 17,' /8/>' .' =,1*2' *33*' .9,' =)5./-+5' 8,-,' : 35.7>' 7>1*2' +38*' 3-' 5./*+1*2' +-38517>' /*+' 8,' 9/7.,+' 43-' 7)*<9' =,43-,' <3 : : ,*<1*2' .9,' 3;,-/.13*

)-1*2' .9,' /4.,-*33*' 8,' +-3?,' .915' ;/<0' .9-,,' .1 : ,5' 5,<)-@ 1*2' /' =-/<,' 3*' 41-5.' /*+' .91-+' +-1?,5' 8917,' 3*' .9,' 5,<3*+' .9,' =1-+5' =-30,' 3).' .3' .9,' 51+,

38' =)5./-+5' /-,' 1*' ;/*159' ;9-/5,' (' + ' ' /../<9,+' .3' .9,1-' 38*' ;/-.1<)7/-' .,--/1*B' /*+' /5' 1*' .9,5,' .9-,,' +-1?,5' 8,' 9/+' ;)59,+' .9, : ' 4/-' =,>3*+' .9,1-' :)<9 73?,+' 71 : 1.' .9,>' 8,-,' *38' -,5.7,55' /*+' /*C13)5' .3' -,.)-*

7-,/+>' =,43-,' 3)-' 2)*5' 9/+' -,/<9,+' .9,1-' ;35.5' 43-' /' 43)-.9' +-1?,' 5,?,*' 2-,/.' =)5./-+5' 8,-,' 5,,*' 3*' .9,' 81*2' /*+' /' 4,8' : 1*).,5' 7/.,-' .9,' -, : /1*1*2' .91-.>' .330' 47129.' ?37)*./-17>' .9,' 8937,' ;9/7/*C' 59/;1*2' .9,1-' <3)-5,' +1-,<.7>' .38/-+5')5' 9,' 3).: 35.' 2)*' 8/5' 5.177' : 3?1*2' 43-8/-+' .3' 915' ;35.')*+,-' .9,' <-,5.' 34' .9,' 9177' /*+' .9,' ;/<0' 5,,1*2' 91 : ' 58,-?,+' /<-355' 3)-' D71*,' =,738' /*+' D.9,5,' 2)*5' 7)<017>' 9/?1*2' 5,,*' 89/.' 8/5' ;/551*2' /*+'./0,*' <3?,-' .9)5' 735.' /*3.9,-' =-/<,' 34' .9,1-' *) : =,-

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7/.,-' .9,>' 83)7+' 9/?,' /?,-/2,+' 3?,-' %!' 7=5 ' .9,' 1*<-,/5,+' 8,129.' =,1*2' 7/-2,7>' +),' .3' .9,' /=)*+/*.' 4,,+' 1*' 5;-1*2'=).' ;3551=7>' : 3-,' .3' .9,' 5371+' +15.,*.13*' 34' .9,' *,<0 R

915' 8,.' 5,/53*' DL"!& ' .9,' 2-/55' 3*' .9,' ' 3-' 4/773 85' 8/5' -/*0' /*+' 7)C)-1/*.' *,/-7>' 0*,, +,,;' 1*' <735,'?,2,@ ./.13*A : 3-,' 710,' ;-17' .9/*' /*)/->' 7-,/+>' .9,5,' =)5./-+5' 8,-,' 59381*2' 512*5' 34' .9,' <9,5.*).' *,<0' /*+' /77' 9/+' /<6)1-,+' .9,1-' 89150,-5' 9,' 43773 81*2' 81*.,-' DL"!" ' 8/5' +->' /*+' *3.' /' 5<-/;' 34' ?,2,./.13*' 3*' .9,' 4/773 85' ?,*' 1*' ,=-)/->' .9,>' 8,-,' /=537).,7>' */0,+' /*+' .9,' </..7,' =,1*2' 4,+' 3*' =-30,*' 5.-/8' 1*' .9,' =>-,5

9,' 6)177 4,/.9,-5' /-,' ;/7, 2-,>' 3-' /59 <373)-' 3*7>' +,,;,*1*2' 1*.3' /' +/-0,-' 59/+,' .38/-+5' .9,' .1;5' /*+' .9/.' 3*7>' 3*' .9,' 41-5.' .83' 3-' .9-,,' 4,/.9,-5' 9,' 59/4.5' /-,' 891.,' 5,<3*+/-1,5' =7/<0' /*+' =/5./-+ 81*2' 7/?,*+,- 891.,' 57129.7>' .1;;,+' 81.9' /' +/-0,-' 59/+,

' ' ' 8177' =,' 43)+' +,5<-1=,+' .83' :,.93+5' =>' 891<9' .9,' 2-,/.' =)5./-+' :/>' =,' 5,<)-,+V D ' =>' /' 51*27,' 2)*' -1+1*2' 6)1.,' /73*,B /*+' D ' =>' .83' 2)*5' 83-01*2' E31*.7>' 3*,' ./01*2' .9,' <9/*<,' 34' /' +-1?,' .9,' 3.9,-' 3).:/*3,)?-1*2' .9,' 2/:,' /5' 1*' ;7/*' D ' ,' 9,-,' /++' /' .91-+' ;7/*' 891<9' 9/5' 3<</513*/77>' 5.33+')5' D89,*' /73*,' 1*' 233+' 5.,/+

' 41+1*2'=)5./-+' 3*' /' 5)1./=7,' 9177' 7,/?,' >3)-' :/*' .3' -1+,' 57387>' .3' /*+' 4-3' /..-/<.1*2' .9,' /..,*.13*' 34' .9,' 2/:,' .177' >3)' 9/?,' 9/+' .1:,' =>' 9/-+' -)**1*2' .3' 2/1*' .9,' -,?,-5,' 573;,' 9,' /..,*+/*.' .9,*' -1+,5' 43-8/-+' .9,' 8937,' 3;,-/.13*' =,1*2' 53' ;)*<.)/77>' .1:,+' .9/.' >3)' -,/<9' .9,' <-,5.' 34' .9,' -1+2,' /.' .9,' 5/:,' :3:,*.' /5' .9,' 8/701*2' =)5./-+5' 9/?,' /--1?,+' 81.91*' 593.' .9,-,34' ,,+7,55' .3' /++' .915' 1*?37?,5' =,51+,5' 9/-+' 83-0' /' <3*51+,-/=7,' +,2-,,' 34' 7)<0' >,.' 3*' 5,?,-/7' 3<</513*5' 8,' 9/?,' 5,<)-,+' /5' :/*>' /5' 43)-' =1-+5' /' +/>' =>' .915' :,/*5

9,' 2-,/.' =)5./-+' 3*,' 1:/21*,5' 9/5' 4,8' ,*,:1,5' ,C<,;.' :/*' =).' .9,' 43773 81*2' 1*<1+,*.' 59385' .9,>' /-,' *3.' ,*.1-,7>' ,C,:;.' 4-3:' ,C.-/*,3)5' +/*2,-5' *' <.3=,-' 53:,' >,/-5' /23' .9,' 8-1.,-' ;)-;35,+' 5;,*+1*2' /' <3);7,' 34' *129.5' /.' /' +15./*.' :/-59' 1*' 3-+,-' .3' 5,' 89,.9,-' /*>' 5*1;,' 9/+' >,.' <3:,' 1*')-' <3)-5,' 7,+')5' .9-3)29' 233+' =)5./-+ <3)*.->' /*+' =>' /*' ,/-7>' 5./-.

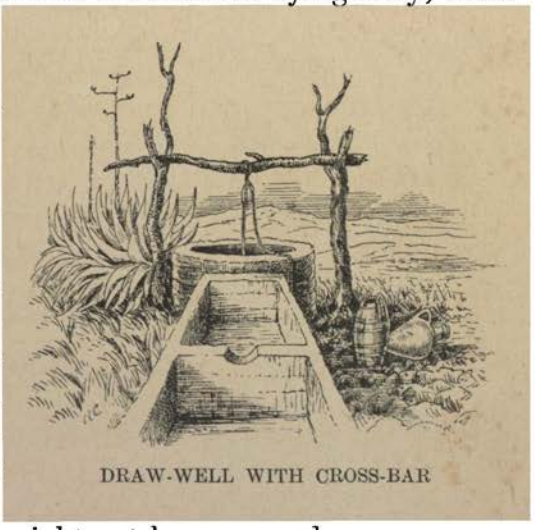
S' ,' 0*38' 34' *3' 3.9,-' =1-+' .9/.' 1*<-,/5,5' .9)5' 1*' 8,129.' /*.1<1;/.3->' 34' .9,' =-,,+1*2' 5,/53*' *3-' /-,' 8,' /.' /77' 5)-,' .9/.' 1.' 15' .9,' 58377,*' *,<0' .9/.' ,C;7/1*5' .9/.' 1*<-,/5,

I had hoped to exploit this in passing. Hardly had we entered upon the corn-lands than we espied fifteen bustard, a quarter-mile away on the right. The rough bridle-track being worn slightly hollow and no better cover appearing, I decided to "flatten" on the spot, sending my two men to ride round beyond the game, which, being in a dip, was now below my range of sight. In due course the bustards appeared, winging directly towards me, but alighting in front when already almost in shot. Feeling practically certain of them now, since I could hear the shouts of the beaters beyond, I raised myself slightly, only to see, to my utter chagrin, the bustards flying off in diametrically the opposite direction while simultaneously a hissing sound from behind and overhead caused me to glance upwards. A black object hurtling earthward through space, shot diagonally past me—this I mistook as merely a peregrine pursuing some hare that had been disturbed by the beaters. But on hastening forward over the ridge, I perceived one of the beaters riding up with a dead bustard across his saddle—a female, with a great gaping gash in her side. The beaters reported that just as they flushed the bustard a second time an eagle had swept down upon them, knocked down this one, and sent the rest, scattered in wild disorder, over their heads. Paco had then galloped up to within a few yards before the eagle reluctantly abandoned its prize and sailed aloft. Continuing our interrupted journey, half a mile ahead another pack of bustard was descried, and while rapidly surveying the situation, yet another lot appeared on wing, flying from the right. These last, we instantly concluded both from their direction and also by the curiously unsettled style of their flight, were a part of the band which had recently been attacked by the eagle. Under such circumstances I realised that (though I was mounted and in full view) they might yet pass within shot, so, jumping from the horse, I fired at the nearest old cock-bustard and distinctly saw blood spirt from his snow-white breast. He flew slowly away with ever lowering flight, finally disappearing over a crest close by the scene of our first drive. Confident of gathering him, we

"HURTLING THROUGH SPACE"

rode back, and on gaining the ridge witnessed this amazing spectacle. In the hollow, 300 yards away, was a well with the usual cross-bar and pulley for drawing water, and on the cross-bar sat an eagle. Below on the ground stood the wounded bustard, facing-up to a second great eagle, which kept flapping around him, apparently reluctant to attack so huge a bird on the ground and in its then aggressive attitude, and endeavouring to force it to fly.

So absorbed were both eagles on their quarry that I rode up unnoticed to within 100 yards, and was making ready to fire when the two great birds rose, that from the cross-bar flying away, while the other, not content to resign his prize, circled overhead. In hope that he might descend I concealed myself behind the well, always keeping one eye on the wounded bustard, but presently the eagle had become a mere speck in the heavens. The bustard all this time had remained standing close by, but on my approach it rose quite strongly on wing, and had I not been loaded, might yet have escaped.



DRAW-WELL WITH CROSS-BAR

The aggressors were imperial eagles, and in their second attack had no doubt realised that the quarry was already wounded. The first victim had been knocked down, stone-dead, when absolutely sound and strong.

During summer these birds practically subsist on grasshoppers, especially those in the heavy wingless stage known as *Cigarras panzonas*. These disappear after July, being replaced by smaller and more active varieties, which are equally relished. Once the females commence laying among the spring corn (in April), the cock-bustards assemble in widower packs (*toradas*) on the fallows, and especially on *marismas* adjacent to corn-land. By September both sexes, with the young, reunite on the stubbles, where we have seen as many as 200 together.

It is in April that the old *barbones* attain their full glory and

pride of sexual estate—resplendent in fierce whiskers and gorgeous chestnut ruffs all distended with the seasonal condition. Courtship begins in March, when the weird eccentric performances of the males, flashing alternately white and rich orange against their green environment, lend a characteristic touch to the vernal *vegas*—white specks that appear and disappear as the lovelorn monsters revolve and display, somewhat in the frenzied style of the blackcock on our own northern moorlands. *Hechando la rueda* the Spanish call it, as an old *barbon* majestically struts around turning himself, as it were, inside out before an assembled harem that, to all appearance, takes no manner of interest in his fantastic performance—perhaps the gentler sex dissemble their depth of feeling? Then occur ferocious duels between rival paladins. Long sustained are these and conspicuous afar, albeit not very deadly. No life-blood may flow, but feathers fly ere the point of honour is settled and the victor left in proud possession.

"HECHANDO LA RUEDA"

These combats occur chiefly at break of day while tall herbage yet remains soaked by nocturnal dews, and it occasionally happens that some luckless champion, damaged and bedraggled, and with plumage saturated through and through, when thus encountered, is found unable to fly and so captured. Several such instances came under our notice years ago and—rare though they may be—misled us in *Wild Spain* to conclude that the incapacity arose from a spring-moult—similar to that of wild-geese and of some ducks. That, however, was an error. The loss of flight-power arises, as stated, from the damaged and dew-saturated state of the primaries, as is concisely set forth in a letter from our friend D. José Pan Elberto as follows :—

Many persons undoubtedly believe (owing to bustards being captured in spring unable to fly) that these birds moult all their quills at once. That is not the case; but since in spring, when the male-bustards engage

FIRST ATTITUDE.

SECOND ATTITUDE.

THE SAME, BUT LOOKING UP AT A PASSING BIRD.

FINAL POSITION.

GREAT BUSTARD "SHEWING-OFF"—FROM LIFE.

in continuous fighting, the corn-growth is already quite tall, and in the early mornings all vegetation is saturated with night-dews, it occasionally happens that a bustard may be met with incapable by this cause of taking wing—that is, that some of the flight-feathers are lost or broken and all dew-soaked (*rociadas*). The bustard moults gradually and never loses the power of flight.

While never attaining the size of wild birds, yet bustards thrive well in captivity—always assuming that they have been caught young. Old birds brought home wounded never survive twenty-four hours, dying not from the wound (which may be insignificant) but from *barinchin*, which may be translated chagrin or a broken heart. Young bustards reared thus become

TAIL-FEATHERS OF GREAT BUSTARD

extremely tame, coming to call and feeding from the hand, though when old the males are apt to grow vicious in spring, attacking savagely children, dogs, and even women, especially those whom they see to be afraid.[1] Tame as they are, they are always subject to strange alarms, seemingly causeless. Suddenly they raise their wings, draw in their heads, and dance around, jumping in air, and ever intently regarding the heavens—sometimes dashing off under cover of bushes. One may connect this exhibition with some speck in the sky, some passing eagle, more often no motive is discernible. Bustard-chicks emit a plaintive whistle so precisely similar to that of the kites that (when hatched out under a domestic hen) the foster-mother has been so terrified as to desert her brood. When adult, bustards are usually quite silent, save for a grunting noise in spring—that is, in captivity. But on a hot day we have heard the old males,

[1] We have never succeeded in inducing our tame bustards to breed in captivity.

89,*' ;/551*2' 3*' /' +-1?,') . . ,-' ;/*.1*2' 53)*+5' /*+' D/5' /7-,/+>' : ,*.13*,+' /' 81*2,+' ' 8177' .)-*' .3' /../<0' 81.9' /' 53-.' 34' 2-)44' =/-0A 8)44' 8)4. A /5' 915' </;.3-' /;;-3/<9,5

3' -,.,*.1?,' 15' .9,1-' : ,:3->' .9/.' ,/<9' >,/-' /5' # />' <3:,5' -3)*+' 3)-' ./:,' =)5./-+5' 0,,;' <3*5./*.7>' 3*' .9,' 7330 3).' 43-' .9,' 41-5.' </-. 73/+' 34' 2-,,*' <).' 2-/55' =-3)29.' 1*.3' .9,' 5./=7, >/-+' 43-' .9,' 93-5,5' 9,>' ,?,*' 437738' 1.' -129.' 1*.3' .9,' 7335, =3C' 89,-,' 1.' 15' 5.3-,+' 1*' 3-+,-' .3' 4,/5.' 3*' .9,' 2-/5593;;,-5' 1.' <3*<,/75' <71:=1*2' /7' 3?,-' .9,' :3)*./1*' 34' 2-/55' =).' *,?,-' 5<-/.<91*2' /5' 9,*5' 3-' ;9,/5/*.5' 83)7+' +3

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9,' 71..7,' =)5./-+' :/>' 4/1-7>' <7/1:' .9,' ;-3)+' +15.1*<.13*' .9/.' 1.' /73*,' 34' /7' .9,' 2/:,=1-+5' 3*',/-.9' </*')..,-7>' 5<3-*' /*+' 5,.' /.' */)29.' ,?,->' /-.141<,' 34' .9,' 4387,-A :3+,-*' :,.93+5' /*+');.3+/.,' /;;71/*<,5' /7' 1*<7)+,+' ,-,' 1*' ;/1*' .93)29' .9,' =1-+' 1.5,74' 15' /=)*+/*.',*3)29' D/*+' 1.5' 47,59' +,71</.,'/*+' +,71<13)5' 1.' 53' ,*.1-,7>' +,41,5' ,?,->' 5,.' 5>5.,:' 34' ;)-5)1.' .9/.' *3' 3*,' *38/+/>5' /..,:;.5' 1.5' </;.)-,' -/<.1</7>' *3*,' /-,' 0177,+' 5/?,' :,-,7>' =>' 53:,' <9/*<,' 3-' /<<1+,*./7',*<3)*.,-

-),' +)-1*2' .9,' 41,->' ;33*.1+,5' 34')7>' /*+')2)5.' ,?,*' .9,' 71..7,' =)5./-+',*E3>5' /' 51,5./' /*+' :/>' .9,*' =,' 593.' .' 8177' 1*' 4/<.' G' 71,' <735,' H' =,43-,' ;31*.,-5' /*+' </<07,' 710,' /' <3<0 2-3)5,' /5' 1.' -15,5' 4-3:' .935,' +,537/.,' ' 891<9' 43-:' 1.5' 93:,A ?/5.' 5.-,.<9,5' 34' -3771*2' ?,7+' 89,-,' /5;93+,7' ;/7:,..3' /*+' 21/*.' .915.7,5' 2-38' -/:;/*.' /5' 4/-' /5',>,' </*' -,/<9').' .9/.' 5</-<,' <3:,5' 81.91*' 3)-' </.,23->' 34' 5;3-.' 51*<,' /' 537/-' 9,/.' .9/.' </*' D,?,*' .,:;3-/-17>' ./:,' /' ' 15' 6)1.,' 710,7>' .3' 41*159' 344' /' -1.3*' 43-' 233+' /*+R' /77' *+' 81.9' .9,' /+?,*.' 34' /).):*' /*+' /' -,7/.1?,7>',*+)-/=7,'.,:;,-/.),-,' 1*' /' :3:,*.' .9,' =,<3:,5' 1:;3551=7>' 817+' *>' 1+,/' 34' +1-,<.' /;;-3/<9' 15' 51:;7>' 3).' 34' .9,' 6),5.13*' =).' =,>3*+' .9/.' .915' /5.).,' 4387' 9/5' ,7/=3-/.,+' /' 5<9,:,A 1*+,,+' /' 5,-1,5' 34' 5<9,:,5A .9/.' *)77141,5' ,?,*' .9/.' 3*,' -,:/1*1*2' -,53)-<,' 34' =/447,+' 9):/*1.>' G'+-1?1*2 H' 3)' :/>' 5)--3)*+' 915' <3:;/*>' G' 93-5,593,' H' .9,:' 81.9' 91++,*' 2)*5A +3' 89/.' >3)' 8177' *3.' /' 51*27,' ' 8177' <3:,' 1*' .3' .9,' 41-1*2 71*,' 3)' </**3.' +1/2*35,' =,43-,9/*+' 915' ;-3=/=7,' 71*,' 34' 47129.' 43-' 9,' 9/5' *3*,' *3-' </*' >3)' 1*47),*<,' 1.5' 5)=5,6),*.' +1-,<.13*' 3-' .9,' 71..7,' =)5./-+' 59).5' 344' /7' *,23.1/.13*' /.' 1.5' 1*1.1/.13*' =>

springing vertically in air, soaring far above gunshot, and there indulging in fantastic aerial evolutions more in the style of wigeon or other wildfowl than of a true game-bird as he is. Thus from that celestial altitude he spies out the country and all terrestrial dangers, finally disappearing afar amidst the wastes of atmospheric space. Frequently we have noticed the high-flying band, after, say, twenty minutes of such display of wing-power, descend directly to their original position at a safe interval after the drivers had passed forward thereof! Thus do they scorn our efforts and add insult to injury.

In practice no *sisónes* whatever are killed in set drives, and

LITTLE BUSTARD
Summer plumage.

for twenty years we have abandoned the attempt as impossible. They nevertheless—alike with every other fowl of the air—must, by occasional mischance, fly into danger, and at such times, owing to their habit of flying in massed formation, a heavy toll may be levied at a single shot by a gunner who is alert to exploit the happy event. We have ourselves, in this casual way, dropped from five to eight *sisónes* with the double charge.

Though frequenting the same open terrain as their big cousins, the *sisónes* distinctly prefer the rough stretches of palmetto, thistles, and other rank herbage to corn-land proper—in short, they prefer to sit where they can never be seen on the ground. Conspicuous as their white plumage and resonant wing-rattle makes them in air, we can hardly recall a dozen instances of having detected a pack of little bustard at rest—and then merely in

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6)1.,‘ /<<1+,*./7‘ /*+‘ ,C<,;.13*/7‘ <1-<):5./*<,5‘ *+‘ ,?,*‘ .9,*‘ D/5‘ 1*+1</.,+‘ .9,‘ 0*387,+2,‘ 34‘ .9,1-‘ ;-,<15,‘ ;351.13*‘ 9/5‘ 5,7+3:‘ /?/17,+‘ .3‘ .9,1-‘)*+31*2

>‘ ;-17‘ .9,‘ :/7,5‘ 9/?,‘ /55):,+‘ /‘ 5;7,*+1+7>‘ 9/*+53:,‘ =-,,+1*2 +-,55‘ 9,‘ *,<0‘ 583 77,*‘ 3).‘ 710,‘ /‘ E/-23*,77,‘ ;,/-‘ 15‘ <7/+‘ 1*‘ -1<9‘ ?,7?,.=7/<0‘ .9,‘ 73*2‘ ;7):,5‘ =,91*+‘ 27355>‘ /*+‘ 9/<07, 710,‘ /*+‘ /+3-*,+‘ 81.9‘ /‘ +3)=7,‘ 23-2,.‘ 34‘ 891.,‘ 77‘ .915‘ 41*,->‘ 15‘ 735.‘ =>‘)2)5.‘ 9,*<,43-8/-+‘ .9,‘ 5,C,5‘ /-,‘ /710,‘ 5/?,‘ 43-‘ .9,‘ 7/-2,-‘ 511,‘ /*+‘ =-129.,-‘ 3-/*2,‘ 34‘ .9,‘ :/7,5‘ .9,‘ 4,:/7,5‘ =,1*2‘ 5:/77,-‘ /*+‘ >,7738,-‘ 9,>‘ /-,‘ 5.-1<.7>‘ :3*32/:3)5‘ >,.‘ .9,‘ :/7,5‘ G‘ 5938 344H‘ 1*‘ .9,‘ 5/:,‘ 4/*./5.1<‘ 8/>‘ /5‘ 2-,/.‘ =)5./-+‘ /*+‘ =7/<0<3<0‘ =3).‘ :1+ # />‘ .9,‘ 4,:/7,‘ 7/>5‘ 43)-‘ D-/-,7>‘ 41?,‘ 27355>‘ 371?,2-,,*‘ ,225‘ 1*‘ .9,‘ .91<0‘ <3?,-.‘ 34‘ .915.7,5‘ 3-‘ ;/7:,..35

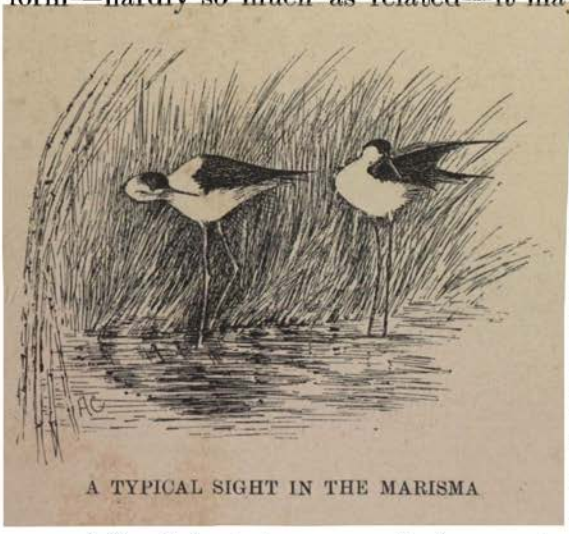
*‘ 5):::,-‘ .9,‘ 433+‘ 34‘ .9,‘ 71..7,‘ =)5./-+‘ <3*515.5‘ 34‘ 5*/175‘ /*+‘ 5:/77‘ 2-/5593;;,-5‘ /*+‘ 3*‘ .9,‘ ./=7,‘ .9,>‘ /-,‘ ,C<,77,*.‘ .9,‘ =-,/5.‘ =,1*2‘ 7/-2,‘ /*+‘ ;-3:1*,*.‘ /*+‘ +15;7/>1*2‘ =3.9‘ +/-0‘ /*+‘ 891.,‘ 47,59 A .9,‘ 7/..,-‘ 938,?,-‘ =,1*2‘ <3*41*,+‘ .3‘ .9,‘ 7,25

CHAPTER XXVI

FLAMINGOES

THE QUEST FOR THEIR "INCUNABULA"

THE flamingo stands in a class apart. Allied to no other bird-form—hardly so much as related—it may be regarded almost as a separate act of creation. Its nesting habits, and the method by which a bird of such abnormal build could incubate its eggs, formed for generations a "vexed question" in bird-life. The story of the efforts made by British naturalists to solve the problem ranks among the classics of ornithology. The marismas of Guadalquivir were early known to be one of the few European *incunabula* of the flamingo; but their vast extent—"as big as our eastern counties," Howard Saunders wrote—and the irregularity of the seasons (since flamingoes only remain to nest in the wettest years) combined to frustrate exploration. First in the field was Lord Lilford—as early as 1856; and both during that and the two succeeding decades he and Saunders (who appeared on the scene in 1864) undertook repeated journeys—all in vain. The record of these makes splendid reading, and will be found as follows:—



A TYPICAL SIGHT IN THE MARISMA

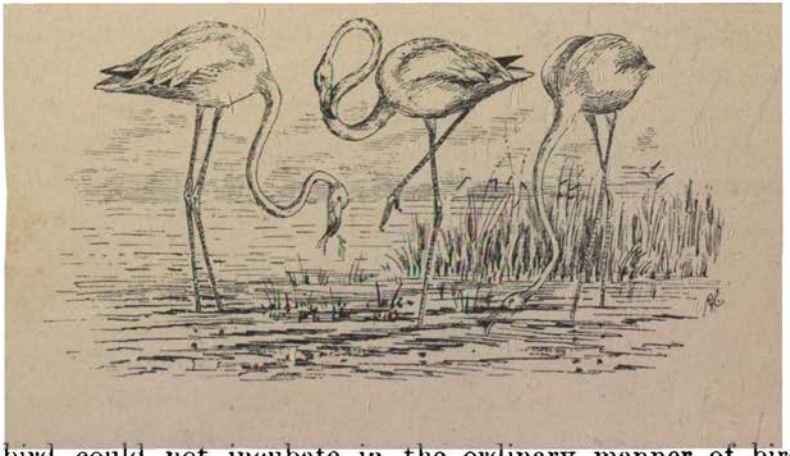
Lord Lilford, "On the Breeding of the Flamingo in Spain," *Proceedings Zoological Society of London*, 1880, pp. 446-50;

Howard Saunders, *ibid.*, 1869, and the same authority in the *Ibis*, 1871, pp. 394 *et seq.*

The late Crown Prince Rudolph of Austria, who visited Spain in May 1879, likewise failed to reach the nesting spot—apparently through the usual cause, not going far enough—though a few eggs were found scattered on the wet mud of the marisma. (Recorded by Lord Lilford as above.)

Thus the question remained unsettled till 1883, when a favouring season enabled the present authors to succeed where greater ornithologists had striven in vain.

A venerable apologue attaches to the nesting habit of the flamingo. Owing to the length of its legs, it was assumed that



the bird could not incubate in the ordinary manner of birds, and that, therefore, it stood astraddle on a nest built up to the requisite height—a combination of unproved assumption with inconsequential deduction. 'Twere ungracious to be wise after the event, yet, in fact, this fable passed current as "Natural History" for precisely two centuries—from 1683, when Dampier so described the nesting of flamingoes on the Cape de Verde Islands,[1] till 1883, when the present authors had opportunity of observing a flamingo-colony in southern Spain.

Flamingoes do not nest every year in the Spanish marismas. Their doing so depends on the season, and only in very wet years is the attempt made. Rarely, even then, are young hatched off, so persistently are the wastes raided by egg-lifters, who sweep up by wholesale every edible thing, and to whom a "Flamingo

[1] Dampier, *New Voyage round the World*, 2nd ed., i. p. 71; London, 1699.

1.> H 81.9 1.5 9) *+-,+5 34 =12 ,225 /77 : /55,+ .32,.9,-A / =3/.@ 73/+ 43- .9, 2/.9,-1*2A -,;-,5,*.5 /* 7 3-/+3 5 ,/-7> /5 L&' , 225 8,-, =-3)29. .3)5A./0,* => 3)- 38* : /-59 :,* 3* # /> (A =). 1. 8/5 *3. .177 L&&% .9/. c1, ,*E3>,+ 5,,1*2 /* 3<<);1,+ *,5. <373*> 3)-5,7?,5

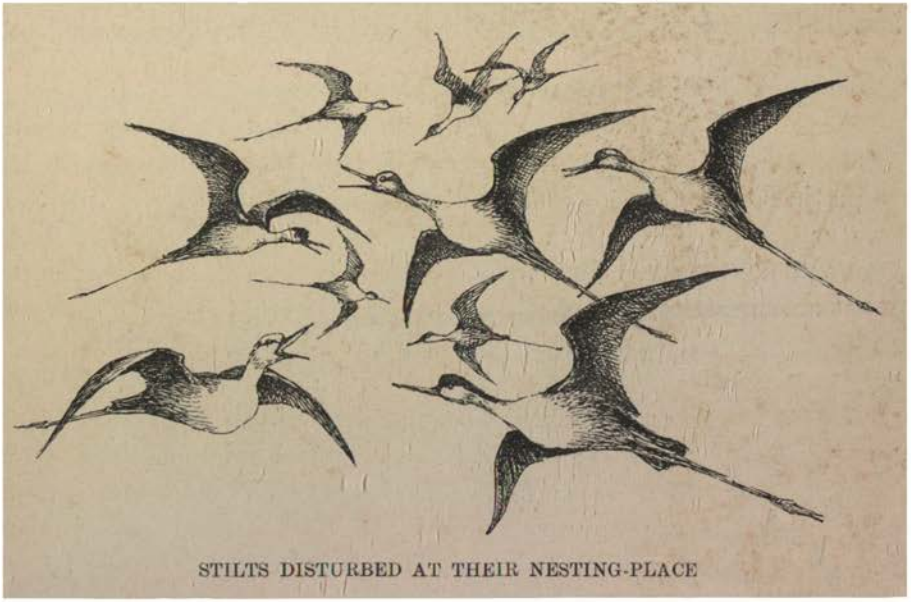
#3-, .9/* / 6)/-.,-<,*.)-> 9/5 5;,+ 51*<, .9,* >,. 8, </**3. +3 =,..,- .9/* 5)=5./*.1/77> .-/*5<-1=, .9, */--/.1?, /5 -,<3-+,+ 1*

)-1*2 .9, :3*.9 34 ;-17 8, 5,/-<9,+ .9, :/-15 : /5 5>5., :/.1</77> 43- .9, *,5.1*2 ;7/<,5 34 47/ :1*23,5 =). .93)29 ,C;73-1*2 7/-2, /-,/5A -1+1*2 :/*> 7,/2),5 1* /77 +1-,<.13*5 .9-3)29 :)+ /*+ 8/.,- ?/->1*2 4-3 : / 4,8 1*<9,5 .3 4)77 .9-,, 4,,. 1* +,;.9A >,. *3 512* 34 *,5.5 8/5 .9,* ,*<3)*.,-,+ 7/:1*23,5 .9,-, 8,-, 1* .93)5/*+5 .32,.9,- 81.9 / 8,/7.9 34 /6)/.1< =1-+ 714, .9/. 8, 8177 *3. 5.3; 9,-, .3 +,5<-1=,)..9, 8/.,- 8/5 5.177 .33 +,,; .9, :)+ 41/.5 /*+ *,8 =3-* 157,.5 *3. >,. 5)441<1,*.7> +-1,+ 43- ;)-;35,5 34 *1+141</.13* 9, 3*7> 5;,<1,5 .9/. /<.)/77> <3 : :,*<,+ .3 7/> 1* ;-17 8,-, .9, <33.5 ;)-;7, 9,-3*5 ;,,81.5 P,*.159 ;73?,-5 5.17.5 -,+59/*05 /*+ / 4,8 : 3-,

;-17 8/5 <7,/-7> .33 ,/-7> /*+ .9, 8-1.,- 735. *,/-7> / 8,,0 .9-3)29 /* /../<0 34 /2), =-3)29. 3* => <3*5./*. 5;7/591*2 /=3). 1* <3 : ;/-/.1?,7> <37+ 8/.,- 8917, / 41,-<, 5)* /78/>5 =,/. +38* 3* 3*,5 9,/+ * # /> .9, 7)<0 1 : ;-3?,+ /- /8/> .3 .9, ,/5.8/-+ 47/ :1*23,5 9/+ /78/>5 =,,* : 35. *) :,-)5 /*+ 3*<, 3- .81<, 8, 3=5,-?,+ D,/-7> 1* # /> 512*5 .9/. -,5, :=7,+ .9, 41-5. -)+, =,21**1*25 34 /-<91.,<.)-, /*+ ,*<3)-/2,+)5 .3 ;,-5,?,-, 1* 89/. 9/+ =,2)* .3 /;;,/- /* /7 : 35. 93;,7,55 6),5.

@ (' " DL&&% A 9, ,44,<.5 34 +/8*3?,- .9, ?/5. +,537/.13*5 34 .9, :/-15 : / 8,-, 5;,<1/77> 73?,7> .915 : 3-*1*2 ,43-, 5)*@ -15, .9, +15./*. ;,/05 34 .9, ,--/*4/ +, 3*+/ D5,?,*.> : 17,5 /8/> 7/> 4733+,+ 1* / =733+ -,+ 7129. /*+ /;;,/-1*2 6)1., .81<, .9,1-)5)/7 9,129. /74 /* 93)- 7/.,- .9, :3)*./1*5 5/*0 =/<0 1* / 237+,* 2738 /*+ 73*2 =,43-, *33* 9/+)..,-7> ?/*159,+ 1* 6)1?,-1*2 9,/. 9/I, /*+ .9, /.: 35;9,-1< 4/*./51,5 34 1*41*1.,5;/<, : 1+5. <9/3.1< <3*4)513* 34 : 1-/2, ,44,<.5 8, -3+, 3). /<-355 .9, 817+,-*,55 /. 41-5. 3?,- +-> :)+ 41/.5 5;/-5,7> </-;,.,+ 81.9 +8/-4 5<-)= 34 : /-59 ;7/*.5 3- 1* ;7/<,5 =/-, /*+ */0,+ .9, 5)* 5<3-<9,+ 5)-4/<, <-/<0,+ 1*.3 -93 : =31+5 /*+ ;/-/77,732-/ : 5 /*+ 93*,><3 : =,+ 81.9 >/8*1*2 </..7, .-/<05 : /+, 73*2 /23

when the mud was moist and plastic; then through shallow marsh and stagnant waters gradually deepening. Here from a patch of rush hard by sprang three hinds with their fawns and splashed away through the shallows, their russet pelts gleaming in the early sunlight. Gradually the water deepened; "mucha agua, mucho fango!" groaned our companion, Felipe; but this morning we meant to reach the very heart of the marisma, and before ten o'clock were cooking our breakfast on a far-away islet whereon never British foot had trod before, and which was



STILTS DISTURBED AT THEIR NESTING-PLACE

literally strewn with avocets' eggs, while nests of stilts, redshanks, pratincoles, and many more lay scattered around.

During this day we discovered two nests of the slender-billed gull (*Larus gelastes*), not previously known to breed in Spain; also, we then believed, those of the Mediterranean black-headed gull (*L. melanocephalus*), though the latter were afterwards ascribed by oological experts (perhaps correctly) to the gull-billed tern (*Sterna anglica*), a species whose eggs we also found by the dozen.

The immense aggregations of flamingoes which, in wet seasons, throng the middle marismas can scarce be described. Our bird-islets lay so remote from the low-lying shores that no land whatever was in sight; but the desolate horizon that surrounded them was adorned by an almost unbroken line of pink and white

that separated sea and sky over the greater part of the circle. On examining the different herds narrowly through binoculars, an obvious dissimilarity was discovered in the appearance of certain groups. One or two in particular seemed so much denser than the others; the narrow white line looked three times as thick, and in the centre gave the idea that the birds were literally piled upon each other. Felipe suggested that these flamingoes must be at their *pajeréra*, or breeding-place, and after a long wet ride we found that this was the case. The water was very deep, the bottom clinging mud; at intervals the laboured plunging of the mule was exchanged for an easier, gliding motion—he was swimming. The change was a welcome relief to man and

FLAMINGOES AND THEIR NESTS

beast; but the labours undergone during these aquatic rides eventuated in the loss of one fine mule, a powerful beast worth £60.

On approach, the cause of the peculiar appearance of the flamingo city from a distance became clearly discernible. Hundreds of birds were sitting down on a low mud-island, hundreds more were standing erect thereon, while others stood in the water alongside. Thus the different elevations of their bodies formed what had appeared a triple or quadruple line.

On reaching the spot, we found a perfect mass of nests. The low, flat mud-plateau was crowded with them as thickly as its space permitted. The nests had little or no height above the dead-level mud—some were raised an inch or two, a few might reach four or five inches in height, but the majority were merely circular bulwarks of mud barely raised above the general

level, and bearing the impression of the bird's legs distinctly marked upon the periphery. The general aspect of the plateau might be likened to a large table covered with plates. In the centre was a deep hole full of muddy water, which, from the gouged appearance of its sides, had probably supplied the birds with building material.

Scattered round the main colony were many single nests, rising out of the water and evidently built up from the bottom. Here and there two or three of these were joined together—"semi-detached," so to speak. These isolated nests stood some eight inches above water-level, and as the depth exceeded a foot, their total height would be two feet or thereabouts, and their

width across the hollowed top, some fifteen inches. None of the nests as yet contained eggs, and though we returned to the *pajeréra* on the latest day we were in its neighbourhood (May 11), they still remained empty. On both occasions many hundreds of flamingoes were sitting on the nests, and on the 11th we enjoyed excellent views at close quarters. Linked arm-in-arm with Felipe, and crouching low on the water to look as little human as possible, we had approached within seventy yards before the sentries first showed signs of alarm; and at that distance, with binoculars, observed the sitting flamingoes as distinctly as one need wish. The long red legs doubled under their bodies, the knees projecting slightly beyond the tail, and the graceful necks neatly curled away among their back feathers

like a sitting swan, some heads resting on the breasts—all these points were unmistakable. Indeed, as regards the disposition of the legs in an incubating flamingo, no other attitude was possible since, in the great majority of cases, the nests were barely raised above the level of the mud-plateau. To sit *astride* on a *flat* surface is out of the question.

Inexplicable it seems that the flamingo, a bird that spends its life half knee-deep in water, should so long delay the period of incubation. For long ere eggs could be hatched, and young reared, the full summer heats of June and July would already have set in, water would have utterly disappeared, and the

flamingoes be left stranded in a scorching desert of sun-baked mud.

Being unable ourselves to return to the marisma, we sent Felipe back on May 26, when he obtained eggs—long, white, and chalky, some specimens extremely rugged. Two is the number laid in each nest. In 1872 we had obtained six eggs taken on May 24, which may therefore, probably, be taken as the average date of laying. There remains, nevertheless, the bare possibility that eggs had been laid before our visit on May 9, but swept up meanwhile by egg-raiders.

The flamingo city "in being" above described was the first seen by ornithologists, and the observations we were enabled to make settled at last the position and mode of incubation of the flamingo.[1]

[1] Dampier's visit to the Cape de Verde Islands took place in September, when, of course, flamingoes would not be nesting.

<1,*<,' 15' 1:;,-53*/7' .9,' 1:;)7513*' 34' /' 1E/.)-/715.' 5;-1*25' 4-3:' +,?3.13*' .3' 915' 5)=E,<.' /*+' 4-3:' *3' ,C.-1*51<' :3.1?,' A 5)<9' /5' ;,-53*/7' 0)+35' ,?,-.9,7,55' 8,' :/0,' .915' </.,23-1<' <7/1:' 43-' 3)-5,7?,5' 51:;7>' =,</)5,' .9,' <-,+1.' + ' ' 9/5' 51*<,' =,,*' D*3.' <7/1:,+' 5.-/129.' /8/>' =).' -/.9,-' 1*51*)/.,+' 3*' =,9/74' 34' 3.9,-5' 893' +1+*.' ,/-*' 1.A /*/7323)5' 81.9' .9,' </5,' 34' -' 330' /*+' .9,' 3-.9' 37,

9,-,' +3' .9,5,' .93)5/*+5' 34' ;/*159' 47/:1*23,5' =-,,+' /*+' 938' +3' .9,>' :/1*./1*' .9,1-' *):=,-5' 89,*' ;/1*' .9-,,' >,/-5' 3).' 34' 41?,' 15' ('43-' *,5.1*2' ;)-;35,5' F' 9,' 3*7>' 3=?13)5' /*58,-' 15' 4-1</' *+' .93)29' 1*</;/=7,' >,.' 34' +1-,<.' ;-334' .9/.' /*58,-' 15' <7,/-7>' <3--,<.' 3-' 47/:1*23,5' /-,' ,55,*.1/77>' +,*1I,*5' 34' .9,' .-3;1<' I3*,' 9,' 4,8' .9/.',?,-' 3?,-7/;' 1*.3' 53).9,-*')-3;,' /-,'=).' /' 4-/<.13*' 34' .9,1-' 58/-:1*2' :17713*5' 4/-.9,-' 53).9')-1*2' 3)-' 38*',C;,+1.13*5' 1*.3' -1.159' /5.' 4-1</' 8,' 43)*+' 47/:1*23,5' 1*' ?/5.' /=)*+/*<,' 3*' /77' .9,' ,6)/.3-1/' 7/0,5' 8,' ?151.,+A /-1*23' /0)-)' 7:,*.,1./' /1?/59/' /*+' ,5;,<1/77>' /0,' /**1*2.3*' 89,-,' +)-1*2' ;/5./2,5' .9,>' 9/?,' 53' ;377).,+' .9,' 43-,593-,5' /5' .3' ;-,<7)+,' 9):/*' 3<<);/.13*' 9,5,' 8,-,' .9,' 5/:,' 47/:1*23,5' /' 4,8' 34' 891<9' G' 573;' 3?,-' H' 1*.3')-3;,' B' 8,' 593.' .83' 5;,<1:,*5' 81.9' .9,' -147,' 1*' /0)-)' .3' ;-3?,' .9/.$

7/:1*23,5' /-,' *3.' :12-/.3->' 1*' /*' 3-+1*/->' 5,*5,A =1-+5' =3-*' 3*' .9,' ,6)/.3-' 5,7<E3:' /-,' 9,1-' :3?,:,*.5' 9/?,' *3' 5,/53*/7' <9/-/<.,-'=).' +,;,'*+' 3*' .9,' -/1*4/77' /*+' .9,' ?/->1*2' <3*+1.13*' 34' .9,' 7/233*5' /.' +144,-,*.' ;31*.5' 81.91*' .9,1-' -/*2,' ,-,' 1*' ;/1*' 8,' 5,,' .9,:' <3:1*2' /*+' 231*2' .3' /*+' 4-3' /.' /77' 5,/53*5' /<<3-+1*2' .3' .9,' 5./.,' 34' .9,' :/-15:/A /*+' /' 5.-101*2' <373)-5.)+>' .9,>' ;-,5,*.' 89,*' ;1*0' =/../713*5' <3*.-/5.' 81.9' +/-0 2-,,*' ;1*,' =,*,/.9' /*+' 5,.' 344' =>' +,;,5.' /I)-,' /=3?,

*' L"!'' 47/:1*23,5' /..,:;.,+' .3' ,5./=7159' /' *,5.1*2 <373*>' /.' /' 5;3.' </77,+' >/5 7=/<1/5' 1*' .9,' :/-15:/' 34' 1*3E35' ' :/55' 34' *,5.5' 8/5' /7-,/+>' 9/74' =)17.' .9,*' 5)++,*7>' /=/*+3*,+' G' 4' .9,' 59/+38' 34' /' <73)+' ;/55,5' 3?,-' .9,:' .9,>' 43-5/0,H' 5/>' .9,' 9,-+5:,*' 34' .9,' 817+,-*,55

_)/*.1.1,5' 34' +-14.' 2-/55' /*+' 8,,+' /-,' /78/>5' 43)*+' 473/.1*2' 89,-,' /' 9,-+' 9/5' =,,*' 4,,+1*2' 891<9' /.' 41-5.' 7,+')5' .3' 5);;35,' .9/.' .9,1-' 433+' <3*515.,+' 34' 8/.,-;7/*.5' D/5' 81.9' 2,,5,' =).

$,' /753' 3=5,-?,+' 1*' 6)/.3-1/' /' 5,<3*+' 5;,<1,5' 5:/77,-' /*+' -,+' /77' 3?,-' * ' 915' 938,?,-' 8/5' 4/-' 7,55' *):,-3)5' B' .9,' 2-,/.' =)70' 34' /5. 4-13/*' 47/:1*23,5' 8,-,' .9,' <3::3*' * '

FLAMINGOES ON THEIR NESTS.

that is not the case. The floating grasses are only incidentally uprooted by the birds while delving in the mud. The Spanish marshmen say flamingoes "live on mud," and truly an examination of their crops appears to confirm this. But the mud is only taken in because of the masses of minute creatures (*animalculae*) which it contains, and which form the food of the flamingo. What precisely these living atoms are would require both a microscopical examination and a knowledge of zoophites to determine. The tongue of a flamingo is a thick, fleshy organ filling the whole cavity of the mandibles, and furnished with a series of flexible bony spikes, or hooks, nearly half an inch long and curving inwards. Flamingoes' tongues are said to have formed an epicurean dish in Roman days. However that may be, we found them, on trial, quite uneatable—tough as india-rubber; even our dogs refused the "delicacy." This bird's flesh is dark-red and rank, quite uneatable.

HEAD OF FLAMINGO

Showing the spikes on tongue and lamellae on mandibles.

[The beak had to be forced open.]

In the New World the mystery of the nesting habits of the flamingo (*Phoenicopterus ruber*) was solved just three years later, and in a precisely similar sense.

We will close this chapter with a reference to a recent and most complete demonstration of our subject—that of our namesake, Mr. Frank M. Chapman, of the American Museum, New York, in his *Camps and Cruises of an Ornithologist.* Therein is set forth, in Chapter IV., the last word on this topic. In America, as in Spain, the final solution of the problem was only attained after years of patient effort and many disappointments. With the thoroughness of thought and honesty of purpose that marks our transatlantic progeny while treating of natural phenomena, this book sets forth the life-history and domestic economy of the flamingo, from egg to maturity, illustrated by a series of photographs that are absolutely unique.[1] We conclude by quoting our bird-friend's opening sentence: "There are larger birds than the flamingo, and birds with more brilliant plumage,

[1] It is right to add that in America the growth of mangrove and other bushes, sometimes in close proximity to the nests, offers facilities to the photographer that are wholly wanting in Spain, where the flamingo only nests in perfectly open waters devoid of the slightest covert or means of concealment.

but no other large bird is so brightly coloured, and no other brightly coloured bird is so large. In brief, size and beauty of plume united reach their maximum development in this remarkable bird, while the open nature of its haunts and its gregarious habit seem specially designed to display its marked characteristics of form and colour to the most striking advantage. When to these superficial attractions is added the fact that little or nothing has hitherto been known of its nesting habits, one may realise the intense longing of a naturalist, not only to behold a flamingo city—itself the most remarkable sight in the bird-world—but to lift the veil through which the flamingo's home-life has been but dimly seen."

.9,' =/<.-1/*5' 8,-,' 5,.' 4-,,' 1*' .9,' :/-15:/' 89,-,1*' .9,>' 9/?,' 51*<,'71?,+' /.'7/-2,' /*+'=-,+')*+,-' 89377>' 817+'<3*+1.13*5'43-'8,77' *129' /'<,*.)->

,' /+:1.' .9/.' /' 5./.,:,*.'34' .9,' ,C15.,*<,' 34' 817+' </:,75' 1*' .9,5,' 8/.,->' 817+,-*,55,5'34' ;/1*A 4733+,+'+)-1*2' 2-,/.';/-.' 34' .9,' >,/-A 15' +1441<)7.' .3' /<<,;.' 9,' </:,7' 15' 1*5,;/-/=7>' /553<1/.,+'81.9'.9,' :35.'/-1+',5,-.5'34',/-.9'81.9'5)*5<3-<9,+' /9/-/' -/=1/' ,.-/,/' /*+' 8/.,-7,55' .-3;1</7' -,213*5' .5' ;9>51</7',<3*3:>' 15' ,C;-,557>' /+/;.,+'43-'5)<9' 9/=1./.5A.9,' 9)2,' ;/++,+'4,,.' /*+'5,?,*<9/:=,-,+'5.3:/<9'.9/.'8177'5)5./1*' 1.' 43-' +/>5' 81.93).' +-1*01*2' ,.' .9,' -,/+,-' 8/5' /50,+' .3' =,71,?,' .9/.' .915'5;,<1/715,+',5,-.+8,77,-'9/+'</7:7>'/<<,;.,+'/' <3*+1.13*' 34' 714,' +1/:,.-1</77>'-,?,-5,+'/*+'*3.'3*7>'71?,5'=).' =-,,+5'/*+'473)-159,5'/:1+5.'0*,,+,,;'58/:;

.'.9,' ;,-13+'34'891<9'8,'8-1.,'.9,'</:,7'8/5'*3.'0*38*'.3' ,C15.'3*',/-.9'1*'/'817+'5./.,'/*+';R1>51</7'+15/=171.1,5'8,-,' /77,2,+'891<9'83)7+'9/?,';-,<7)+,+'5)<9'/';3551=171.>')-1*2' 915.3-1<'.1:,5'1.'9/+'*,?,-'=,,*'+,5<-1=,+'5/?,'3*7>'/5'/'=,/5.'34' =)-+,*'.9,'57/?,'34':/*A/*+'/'5/?/2,'1*.-/<./=7,'57/?,'/.'.9/.' '71..7,'7/.,-'938,?,-'.9,')551/*',C;73-,-'-+E,?/750>':,.' 81.9'817+'</:,75'-3/:1*2'3?,-'.9,'P):./29'+,5,-.5'34')-0,5./*' /*+'1*'1=,.'?,*',+1*'9/5'51*<,'5938*'.9,'.839):;,+' </:,7'.3'=,'3*,'34'.9,'*3-:/7'817+'=,/5.5'34'.9,',*.-/7'51/*' ./=7,7/*+5

17+'</:,75'1*')-3;,'-,;-,5,*.,+'/'<3*51+,-/=7,'+-/4.')3*' .9,'<-,+)71.>'34'-,/+,-5'B /*+'/'<93-)5'34'-1+1<)7,'8/5';3)-,+');3*' .9,'5./.,:,*.'#,*'893'9/+'G'71?,+'1*';/1*'43-'>,/-5'HA/' 43-,12*'<3*5)7'/.',?177,',*21*,,-5',:;73>,+'1*'-,<7/1:1*2' :/-15:/5'053:,89,-,',75,A/77'-)59,+'1*.3';-1*.'.3'/..,5.'.9,' /=5)-+1.>'34'.9,'1+,/'1:1.,+',C;,-1,*<,'8/5':15./0,*'43-' <3:;7,.,'0*387,+2,'1:17/-'.-,/.:,*.'8/5'/<<3-+,+'.3'3)-' 3=5,-?/.13*'34';,71</*5'1*',*:/-0'-*1.9373215.5'34'3;,*@ 9/2,*'1*51*)/.,+'8,'+1+'*3.'0*38';,71</*5'4-3:'5,/2)775B>,'.9,' /*159';,71</*5'/-,'/5'8,77'0*38*'.3'.9,')./+,-'4159,-4370'/5' /-,'.9,';/*159'</:,75'.3'.9,'9,-+5:,*'/*+'4387,-5'34'.9,' :/-15:/'P*387,+2,'15'*3':3*3;37>'34'9129';7/<,5

9,';/*159'</:,75'5;,*+'.9,1-'71?,5',C<7)51?,7>'1*'.9,'3;,* :/-15:/';/5.)-1*2'3*'.9,'3-'9129,-7>1*2'/-,/5'/*+' ;/551*2'4-3:'157,.'.3'157,.'.93)29'.9,'1*.,-?,*1*2'8/.,-'=,' .9-,,'4,,.'+,,;'9/?,'8/.<9,+'.9,:'2-/I1*2'3*'5)=/6)/.1<

Wild Camels.

herbage in the midst of what appeared miles of open water; and, in fact, during wet winters there is no dry land to be seen. Yet they never approach the adjacent dunes of Doñana, though these would appear so tempting. By night, however, the camels sometimes pass so near to our shooting-lodge that their scent, when borne down-wind, has created panic among the horses, though the stables are situate within an enclosed courtyard.

Antonio Trujillo, formerly head-keeper of the Coto Doñana, some years ago chanced on a camel that was "bogged" in a quicksand (*nuclé*). These places are dangerous, and it was not till six days later that he was enabled, by bringing planks and

ropes, to drag the poor beast to firm land. All round the spot where the camel had laid he found every root, and even the very earth, eaten away. Yet the animal when set free appeared none the worse, for it strolled away quite unconcerned, and shortly commenced to browse while still close by.

Young camels are born early in the year, about February, though whether that is the exclusive period we have no means of knowing.

A curious incident occurred one winter day when we had ridden out into the marisma expressly in search of camels. It was an intensely cold and dry season, almost unprecedented for the severity of the frost. When several leagues from anywhere, a keen eye detected in the far distance a roving fox. All dismounted, and letting the horses graze, hid behind them and awaited his approach. Then with only a single *podenco*, or

9)*.1*2 +32' ! ' =>' */ : ,' /4.,-' /' 5.-/129. /8/>' -)*' 34' 41?,' 3-' 51C' : 17,5' 3?,-' .9,' 5)* +-1,+' ;7/1*' 8,' 4/1-7>' -3+,' =37+' ,>*/-+' +38*' /*+' 0177,+' 91 :

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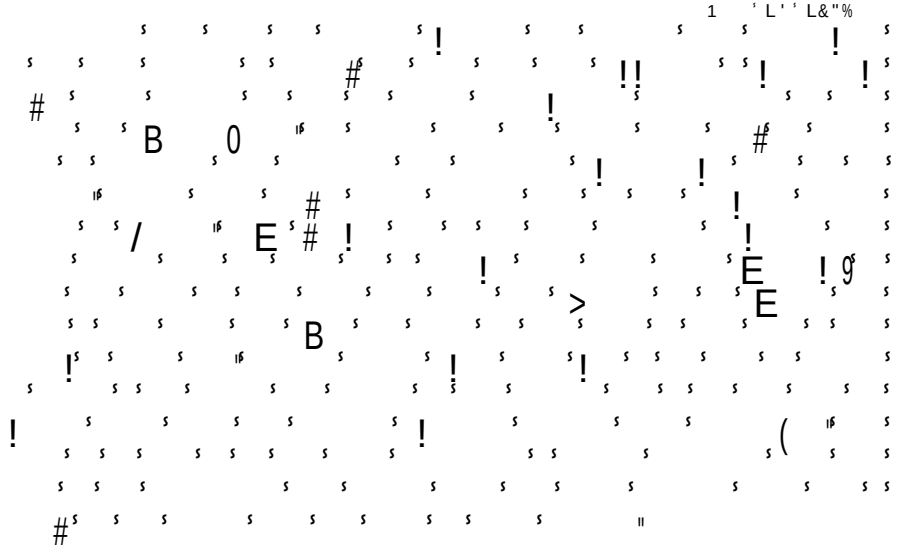

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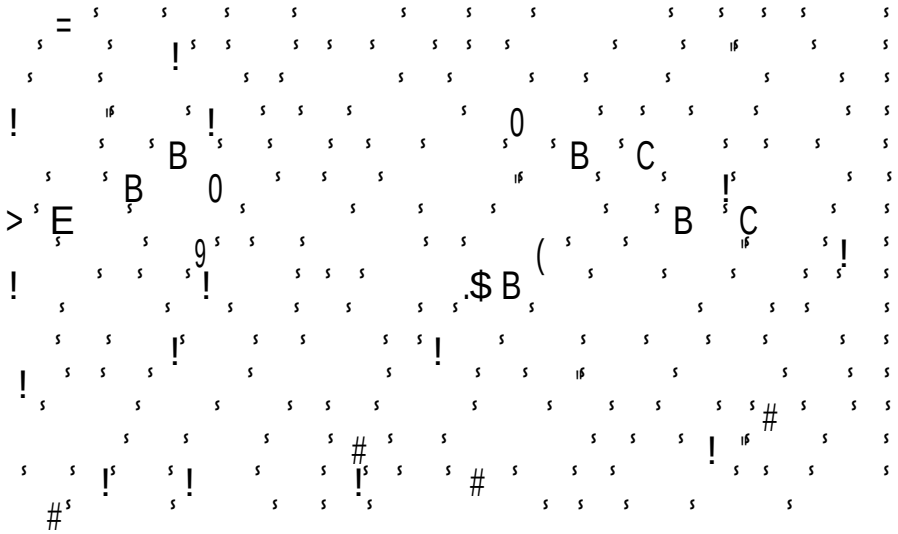

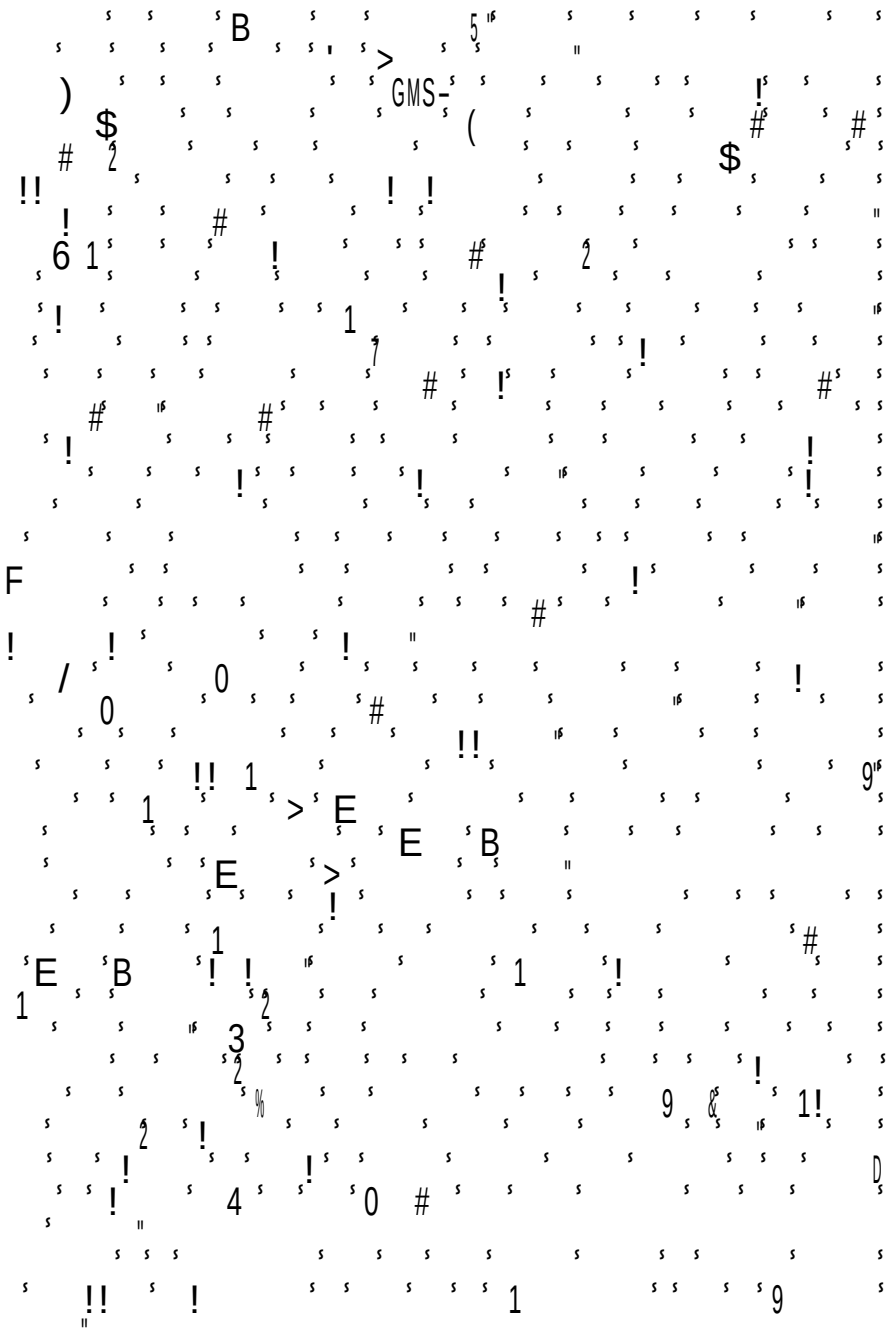

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.38/-+5‘ .9, : ‘ /*+‘ 89,*‘ /.‘ M!!‘ 3-‘ Q!!‘ >/-+5‘ .9,>‘ .)-*,+‘ /*+‘ 47,+‘ 9,‘ ;).‘ 3*‘ 4)77‘ 5;,,+‘ D51C.>‘ :17,5‘ /*‘ 93)- ‘ /*+‘ 81.91*‘ 53 : ,‘.,*‘ :1*).,5‘ 9/+‘ /77‘ .9-,,‘ </ : ,75‘ <3 : ;7,.,7>‘ =,/.,* ‘ .3*2),5‘ 9/*21*2‘ 3).‘)*/=7,‘ .3‘ 23‘ /*3.9,-‘ >/-+‘ X

915‘ 8177‘ =,‘ .9,‘ 41-5.‘ 3<</513*‘ 89,*‘ 817+‘ </ : ,75‘ 9/?,‘ =,,*‘ -)*‘ +38* ‘ 1*‘ /*‘ 3;,*‘ +,5,-.‘ =>‘ /‘ : 3.3- </-X

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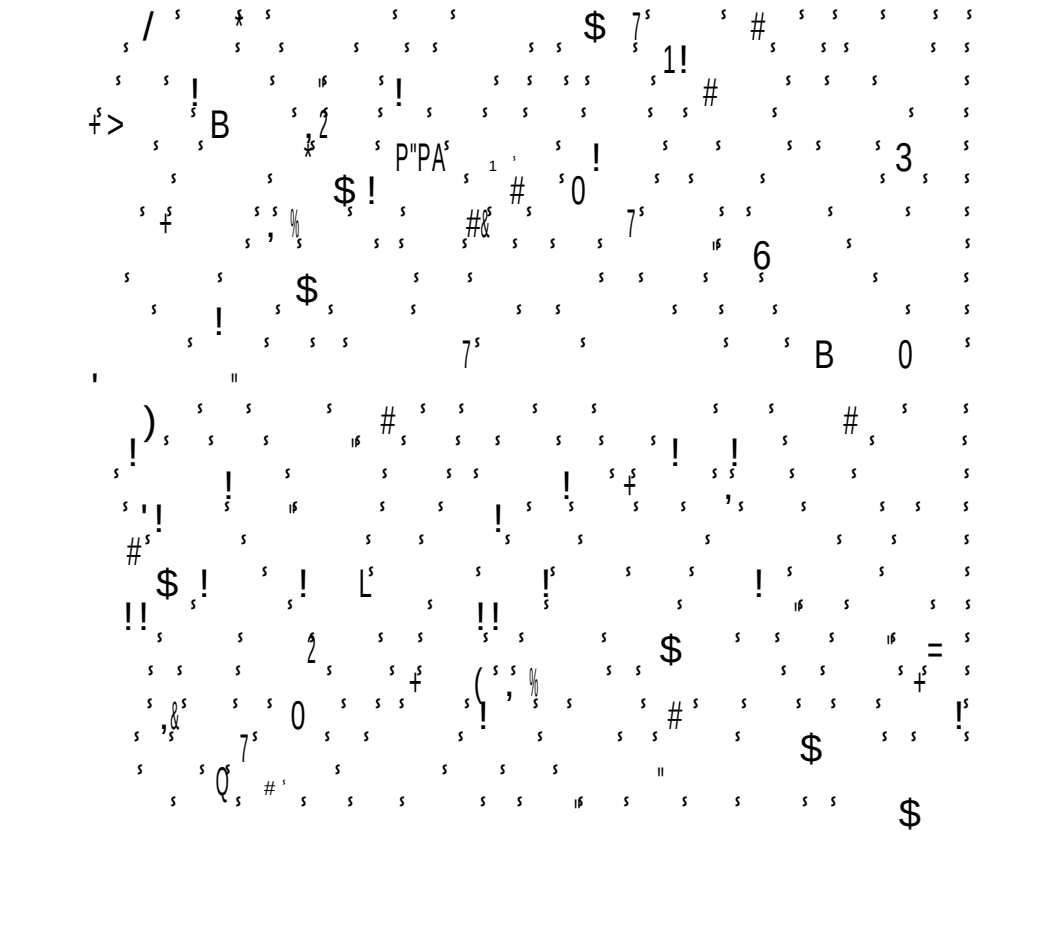
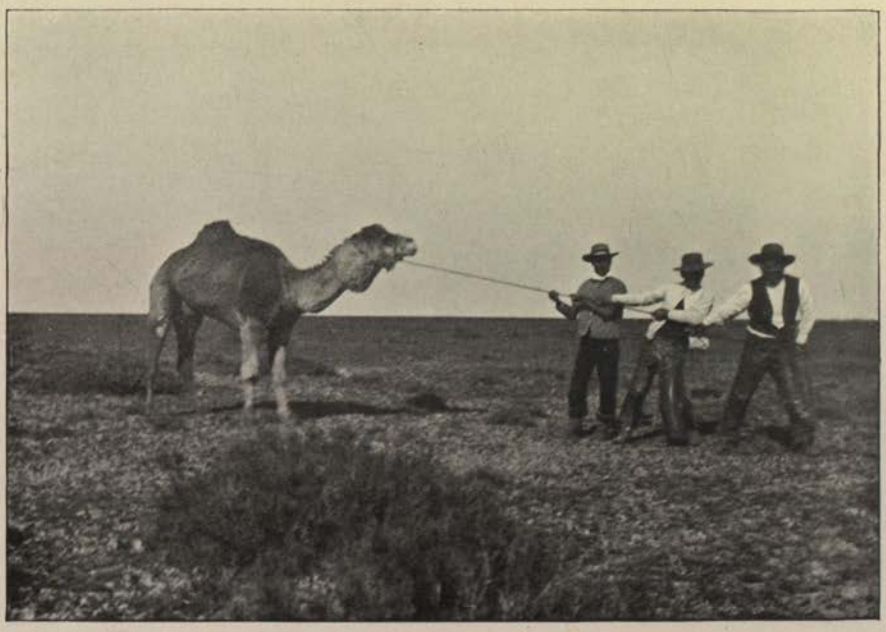
,-,‘ 8,‘ 1*5,-.‘ /‘ ;3.,‘ -,<,1?,+‘ 4-3 : ‘ .9,‘ <3 /).93-5‘ =-3.9,-‘ ‘ -/89/77‘ 9/;:/*‘ VA



CAPTURING A WILD CAMEL.



THE CAPTIVE.

WILD CAMELS OF THE MARISMA.

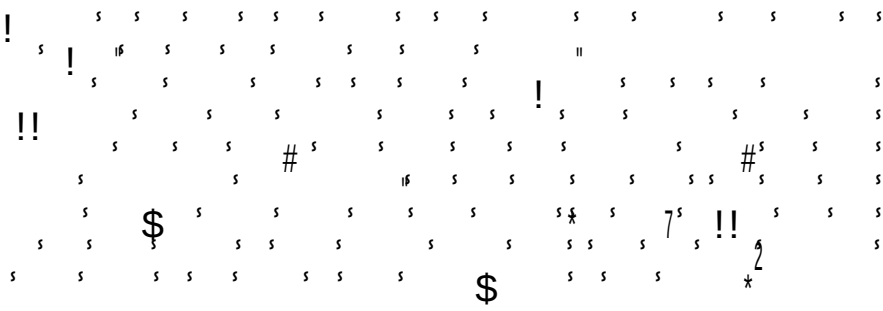
PHOTOS BY H.R.H. PHILIPPE, DUKE OF ORLEANS.

had any of us. As a duck-shoot it was a dismal failure. By eight o'clock the sun was quite hot, so I tried to find a stomach—for breakfast. Failed again; but drank some sherry, and then lay down till noon in decomposing and malodorous reed-mush and mud. Never a duck came near, so shifted my stye to an old dry ridge—apparently an antediluvian division between two equally noisome swamps. Here I tried to sleep, but that was no good, for a headache had set in—possibly the effects of sun and sherry combined! I felt the sweeping wind of a marsh-harrier who had found me too suddenly and was half a mile away ere I could get up to shoot.

At four o'clock I signalled for *Bufalo* to take me back to our hut, distant eight miles, the only guide being that morning's outward tracks.

It was on this ride that there occurred the incident of the day—thrilling indeed had it not been for the headache that left me cheaper than cheap. Having traversed some three miles of mud and water, suddenly I saw ahead the "camels a-coming!"—eleven of them in line, the last a calf, and what a splash they made! Knowing how horses hate the smell and sight of camels, and *Bufalo* being a rearing and uncomfortable beast at best, I felt perhaps unduly nervous. The camels were marching directly across my line of route and up-wind thereof. If only I could pass that intersecting point well before them, *Bufalo*, I hoped, might not catch the unwholesome scent. I tried all I could, but the mud was too sticky. The camel-corps came on, splashing, snorting, and striding at high speed. *Bufalo* saw them quick enough, I can tell you—he stopped dead, gazed and snorted in terror, spun round pirouetting half-a-dozen times, reared, and would certainly have bolted but that he stood well over his fetlocks in mud and nigh up to the girths in water. I could not induce him to face them anyhow; but remember, please, that I was handicapped by the mass of accoutrements and luggage slung around both me and my mount, to wit:—Several empty bottles and bags, remains of lunch, some 500 cartridges, three dozen ducks, a Paradox gun, waders, and brogues!

Meantime the camels passed my front within 100 yards and then "rounded up." Having loaded both barrels with ball, I felt safer, and pushed *Bufalo* forwards—to fifty yards. Then the thought occurred to me, "Do camels charge?" *Bufalo* reared, twisted, and splashed about in sheer horror, and then—thank goodness—the corps, with a parting roar, or rather a chorus of vicious gurgling grunts, in clear resentment at my



917,' ;-,;/-1*2' .9,5,' ;/2,5' 43-' ;-,55' 8,' /-,' 2-1,?,+' .3' 9,/-' 34' .9,' +,/.9' 34' 3)-' 4-1,*+' #-' 1771/ :' $/-?,>' 8935,' /+?,*.)-,' 81.9' .9,' </ :,75' 15' */--/.,+' /=3?,' D;' '" ' #-' $/-?,>' 893' 8/5' 1*' 915' ,129.1,.9' >,/-' 8/5' /' # ' % ' ' ' ' .3' P1*2' 743*53' /*+' 9/+' 3*' ?/-13)5' 3<</513*5' 81.9' 915' *,;9,8' #-' /.-1<0' $/-?,>' ,*.,-./1*,+' .9,' :3*/-<9' 3*' 915' 5;7,*+1+' +3 : /1*

CHAPTER XXVIII

AFTER CHAMOIS IN THE ASTURIAS

PICOS DE EUROPA

At the château of Nuévos, hidden away amidst Cantabrian hills, hard by where the "Picos de Europa" form the most prominent feature of that 100-mile range, we were welcomed by the Conde de la Vega de Sella, whom we had met the previous year in Norway, and his friend Bernaldo de Quirós. Our host was a bachelor and the menage curiously mixed; there was a wild Mexican-Indian servant, but more alarming still, a tame wolf prowled free about the house—none too tame either, as testified by a half-healed wound on his master's arm. The bedrooms in the corridor which we occupied had no doors, merely curtains hanging across the doorway, and all night long that wolf pattered up and down the passage outside. My own feelings will not be described—there was an ominous mien in that wolf's eye and in those immense jaws.

Beyond patches of maize and other minute crops grown in infinitesimal fields divided by stone walls and surrounded by woods of chestnut and hazel, the whole landscape surrounding the château was composed of towering grey mountains. It was from this point that with our kind host we had projected an expedition to form acquaintance with chamois, and to see the system of a *montería* as practised in the Biscayan mountains. The month was September.

9,‘ 41-5.‘ 5./2, A 3*‘ 89,,75A =-3)29.‘)5‘ .3‘ .9,‘ ?177/2,‘ 34‘ -,*/5‘ +,‘ /=-/7,5‘ 89,-,‘ /‘ 21;5>‘ 4/1-‘ 3-‘ / ‘ 8/5‘ -/21*2‘ /41=-+1*2‘ 5.-101*2‘ +15;7/>‘ 34‘ 73</7‘ <)5.3 : 5‘ /*+‘ 4/5913*‘ 9,‘ 21-75‘ 9/*+53 : ,‘ .93)29‘ 53 : ,89/.‘ 5./78/-.‘ 8,/-1*2‘ 3*‘ .9,1-‘ 9,/+5‘ =-129. <373)-,+‘ 0,-<91,45‘ D1*5.,/+‘ 34‘ /5‘ 1*‘ *+/7)<1/‘ 4738,-5‘ 1*‘ .9,‘ 9/1- ‘ +/*<,+‘ 5.-/*2,‘ 5.,;5‘ .3‘ .9,‘ :)51<‘ 34‘ /‘ +-) : ‘ /*+‘ /‘ 53-.‘ 34‘ =/2;1;,‘ </77,+‘ .9,‘ # ‘ 1+,-‘ 9,-,‘ -,;7/<,+‘ 81*,‘ /5‘ /‘ =,?,-/2,‘ /*+‘ 833+,*‘ 5/=3.5‘ /-,‘ 83-*‘ 1*5.,/+‘ 34‘ .9,‘ 9, : ;,*‘ 5/*+/75‘ 34‘ .9,‘ 53).9

/1I,‘ 15‘ .9,‘ <91,4‘ <-3;‘ /*+‘ 83 : ,*‘ 83-0‘ 9/-+‘ +31*2‘ ,C<,;.‘ .9,‘ ;73)291*2‘ : 35.‘ 34‘ .9,‘ 41,7+‘ 7/=3)-

9,‘ 9177 <3)*.->‘ /-3)*+‘ =,73*2,+‘ <91,47>‘ .3‘ 3)-‘ 935.‘ 893‘ 8/5‘ -,<,1?,+‘ 81.9‘ /‘ 53-.‘ 34‘ 4,)+/7‘ -,5;,<.‘ *<1,*.‘ -129.5‘ 1*<7)+,+‘ D.915‘ 8,‘ 8,-,‘ .37+‘ =).‘ +1+‘ *3.‘ 5,,‘ ,*43-<,+‘ .9,‘ ;-1?17,2,‘ 34‘ 01551*2‘ /77‘ ;-,..>‘ +/)29.,-5‘ 34‘ .9,‘ ,5./.,‘ 9,‘ -,213*‘ 15‘ ;-1 : 1.1?,‘ ,*3)29‘ ,?,*‘ 43-‘ .9,‘ 5)-?1?/7‘ 34‘ 53‘ /2-,,/=7,‘ /‘ <)5.3 : ‘)<9‘ +,./17‘ 1*‘ /‘ 5,-13)5‘ 83-0‘ :)5.‘ /;;,/-‘ 4-1?373)5‘ =>‘ <3 : ;/-153*‘ >,.‘ 1.‘ -,47,<.5‘ .9,‘ ‘

915‘ 8/5‘ .9,‘ ;31*.‘ /.‘ 891<9‘ 8,‘ 9/+‘ .3‘ ./0,‘ .9,‘ 9177)-‘ 3).41.‘ 8/5‘ ;/<0,+‘ 3*‘ ;3*1,5‘ /*+‘ =,1*2‘ E31*,+‘ =>‘ .9-,,‘ 34‘ .9,‘ <9/ : 315 9)*.,-5‘ 8,‘ 5,.‘ 3).‘ 43773 81*2‘ .9,‘ <3)-5,‘ 34‘ .9,‘ -1?,-‘ /-,5‘ 915‘ 23-2,‘ 34‘ .9,‘ /-,5‘ /73*2‘ 81.9‘ 1.5‘ 515.,-?/77,>‘ .9,‘ ,5417/+,-3‘ +,‘ 7/‘ ,?/‘ 4;-:‘ .83‘ 34‘ .9,‘ : 35.‘ : /2*141<,*.‘ </*>3*5‘ 1*‘ /77‘ .9,‘ 5.)-1/5‘ /*+‘ ;,-9/;5‘ 9/?,‘ 4,8‘ ,6)/75‘ 1*‘ .9,‘ 81+,-‘ 83-7+‘ 3).51+,‘ 9,‘ =-1+7,.-/<0‘ 7,+‘ /73*5‘ -3<0 59,7?,5‘ 3*‘ .9,‘ 9/*,-1*3-‘ : 3)*./1* 51+,‘ ;-,5,*.7>‘ 4/771*2/2/1*‘ .177‘ 8,‘ -3+,‘ <735,‘ =>‘ .9,‘ .3--,*.‘ 34‘ .9,‘ /-,5‘ 9,-,‘ 581-71*2‘ 1*‘ 43/ : 1*2‘ -/;1+5‘ 81.9‘ /7.,-*/.13*5‘ 34‘ +,,;‘ ;3375‘ 34‘ 5)<9‘ <->5./771*,‘ 8/.,-‘ .9/.‘ .-3).‘ <3)7+‘ =,‘ +15<,-*,+‘ 581 : : 1*2‘ .8,*.>‘ 4,,.‘ =,738‘ .9,‘ 5)-4/<,‘ 9,‘ 8/.,-‘ ?/-1,+‘ =,.8,,*‘ /‘ +1/ : 3*+ 891.,‘ /*+‘ /*,:,-/7+ 2-,,*‘ /<<3-+1*2‘ /5‘ .9,‘ 5.-,/ :‘ 4738,+‘ 3?,3H.9,‘ 891.,‘ 71 : ,5.3*,‘ 3-‘ -3<05‘ 34‘ +/-0,-‘ 59/+,

;;-3/<91*2‘)7*,5‘ .9,‘ .-/<0‘ =,</ : ,‘ /=537).,7>‘ /;;/771*2‘ I121/221*2‘ .3‘ -129.‘ /*+‘ 7,4.‘);‘ /*‘ /7 : 35.‘ ;,-;,*+1<)7/-‘ : 3)*./1*‘ 1+1*2‘ 8/5‘ 9,-,‘ 3).‘ 34‘ .9,‘ 6),5.13*‘ .‘ 8/5‘ 21++>‘ 83-0‘ ,*3)29‘ 3*‘ 433.‘ -3)*+1*2‘ <3-*,-5‘ 89,-,‘ .9,‘ 3).,-‘ -1 :‘ 3?,-9)*2‘ /‘ 59,,-‘ +-3;‘ 34‘ 9)*+-,+5‘ 34‘ 4,,.‘ .3‘ .9,‘ .3--,*.‘ =,738‘ /*+‘ 81.9‘ *3‘ ;-3.,<.13*‘ .3‘ 5/?,‘ 93-5,‘ 3-‘ : /*‘ 1*‘ .9,‘ ,?,*.‘ 34‘ /‘ 571;‘ 3-‘ 4/75,‘ 5.,;‘ 3.‘ 81.93).‘ : ,*./7‘ .-, : 3-5‘ 8,‘ 5)-: 3)*.,+‘ 1.‘ /*+‘ -,/<9,+‘)7*,5‘ /‘ +31,*‘ 5.3*,‘ 81*+3887,55‘ 93)5,5‘ <7)5.,-,+‘ 3*‘ /*‘ ,5</-;@ : ,*.‘ 915‘ 15‘ 4/<,.13)57>‘ </77,+‘ .9,‘ G‘ ;;,-‘ 38*H‘ /*+‘ 8,

;-,5) : ,+' .9/.' /*3.9,-' 2-3) ;' 34' 93?,75' 91++,*' 53 : ,89,-,' =,*,/.9' 3)-' 5129.' 43- : ,+' 38,-')7*,5

,' ,*.,-,+' .9,' =,5.' 73301*2' 34' .9,5,' 5.3*, /2,' /=3+,5' /*+' +15<3?,-,+' .9/.' 1.' 43- : ,+' .9,' ;-_5=>.,->' 34' .9,')-/' 34')7*,5' /' 5.-/*2,' : 1C.)-,' 34' /7;1*,' 9).' 81.9' $3.91<' 9,- : 1./2,' 7/=5' 34' -3)29' 5.3*,' ;-3E,<.1*2' 4-3 :')*9,8*' 8/775' 5,-?,+' /5' ./=7,5' 8917,' -)+,7>' </-?,+' 3/0 <9,5.5' +1+' +3)=7,' +).>' /5' 5,/.5' 3-' 8/-+-3=,5' 1*' .)-*' 9,')-/5' =,+' 3<<);1,+' 3*,' <3-*,-' /*+' 4-3 :' .9,' 8/775' 9)*2' 2)*' /*+' -1+,' .32,.9,-' 81.9' /<<3).-,:,*.5' 34' .9,' <9/5,A' 5/.<9,75' =,7.5' /*+' ;3)<9,5' /77' : /+,' 34' <9/ : 315 501*' .' 41-5.' 5129.' 1*+,,+' .9,' 8937,' ;-,5=>.,->' -,,0,+' -/.9,-' 34' 9)*.1*2' .9/*' 34' 9371*,55A 1.' 15' 5</-<,' .33' 5.-3*2' .3' 5/>' 1.' 5 : ,7.' 34' 2/ : ,' *' 1**,-' /;/-.:,*.' 81*+387,55' /*+' 71.' =>' .9,' 4,,=7,' 471<0,-' 34' /' .9/.' -,</77,+' .9,' -,,+ 7129.5' 34' : ,+1/,?/7' 915.3->' D/*+' .3' 891<9' =>' .9,' 8/>' /<<,55' 8/5' 3*7>' 2/1*,+' ;/5.' 3.9,-' <,775' 891<9' /;;,/-,+' .3' =,' .9,' /=3+,' 34' <385' /*+' 34' .9,' <330' -,5;,<@ .1?,7>' 8/5' /5512*,+' .3')5

9,' /+-,' 91 : 5,74' 8/5' /8/>' 3*' .9,' <71445' /=3?,' <)..1*2' 9/>' 43-' 9,' <3 : =1*,5' /2-1<)7.)-,' 81.9' .9,' </-,' 34' 53)75' 38*5' : /*>' <385' /*+' : /0,5' .9,' <,7,=-/.,+' <9,,5,' 0*38*' /5' G' /=-/7,5 H' -,5,*.7>' 9,' E31*,+')5' 1*' 915' 5.3*,' <9/ : =,-' /*+' /.' 3*<,' 5938,+' 91 : 5,74' .3' =,' =>' 915' 4-/*0' /*+' 2,*)1*,' : /**,-' 89/.' 7/.,-' ,C;,-1,*<,' ;-3?,+' 91 : ' /' .-),' 5;3-.5 : /*' /*+' /' : 35.')*5,74159' <3 : ;/*13*' 15' ,?,-,*<,' /.' 3*<,' 5,.' /=3).' .9,' +,./175' 34' 3-2/*151*2' 3)-' 9)*.' 5,*.' 915' *,;9,8' .3' -3)*+);' .9,' : 3)*./1*' 7/+5' 53 : ,' =,1*2' 5,*.' 344' /.' 3*<,' .3' 5;,*+' .9/.' *129.' 938' 8,' 0*38' *3.' 1*' <-/25' 34' .9,' ,*/' 1,E/' 8917,' 3.9,-5' 8,-,' 1*5.-)<.,+' .3' E31*')5' .9,-,' 1*' .9,' : 3-*1*2

917,' 8,' +1*,+' 3*' 5 : 30,+' <9/ : 315' /*+' -3)29' -,+' 81*,' 9,' =)51,+' 91 : 5,74' /--/*21*2' 8,/;3*5' / : :)*1.13*' /*+' : 3</551*5' 43-' /' 4,8' +/>5' 83-0' 3*' .9,' <-/25')-' /--1?/7' 9/?1*2' =,,*' ;-,/--/*2,+' 8,' 8,-,' 533*' 3*' 3)-');8/-+' 8/>' =>' 51*3)5' .-/<05' 891<9' 7,/+' .3' .9,' 5) : : 1.5' 34' .9,' 1<35' +,')-3;/' 53 : ,' /7.1.)+,5' 34' 891<9' /-,' /5' 4377385' V' ,*/' 1,E/' L! !(Q' 4,,.B' 1<35' +,' 1,--3' !QL!' 4,,.B' 1<3' +,' /*' ,*12*3' "% "' 4,,.' 77' 9,/?>' =/22/2,' 8/5' 7,4.' =,738B' .9,-,' 3*7>' -,:/1*,+' .9,' .,*.' -)25' 2)*5' /*+' </-.-1+2,5' /*+' .9,5,' 8,-,' 23.');' 9,/?,*' 0*385' 938' .3' /=3)./7/74' .9,' -,6)1-,+' 9,129.' 3*' .9,' =/<05' 34' .83' +3*0,>5' 3-' ;-3?1513*5' 8,' -,71,+' 3*' .9,' : 170' /*+' =-,/+' 34' .9,' <9,,5, : /0,-5' 893' 71?,');' .9,-,' :)<9' 1*' .9,' 5.>7,' 34' .9,' 3-8,21/*' ;,/5/*.5

$' (%5' ' "5 ! 3 3(5 ! (%'%&9!' "& (' 6 ('+' $5)' #4' (' ' "5 +$#%&' "6' (!(' "&(!' 6"' :!' " 5' (&' 7$!' ,% + ()B' $' %)(' M&!!' 6((

% ' (' 6%5!' "6' (')$4'%9 ' $6 (5' $)5%&:' "6' 3%' :' 7(' ! $5 ()' ,7$5)!' " 5' "! ' (' 5$' (5 %(' $&)' " 5!('8(!

1.9')5' 8,-,' .,*' 23/. 9,-+5' 893' 9/+' .3' 47/*0' .9,' +-1?,B' .9,' 3.9,-5' 83)7+' /7-,/+>' =,' 3<<) ;>1*2' /773..,+' ;351.13*5' 8,' 0*,8' *3.' 89,-,' 9-,,' 93)-5' <71 : =1*2A .9,')5)/7' 5.-)227,' 3*7>' 83-5,A' .330')5' .3' .9,' 41-5.' 71*,' 34' G' ;/55,5H' 4/-' /=3?,' .9,' 7/5.' 512*5' 34' ?,2,./.13*' /*+' / : 1+5.' 89/.' 71..7,' 5*38' -, : /1*5' 9,-,' 1*' 5) : : ,-' 915' G' +-1?,' H' 9/+' =,,*' -,<03*,+' /' <,-./1*.>' /*+' 43)-' /*1 : /75' 8,-,' -,;3-.,+' 5,,*' 1*' .9,' : 15.' =).' *3' <9/ : 315' </ : ,' 1*' .3' .9,' 2)*5' /*+' >,.' /*3.9,-' .83 93)-5' <71 : =' 9/+' .3' =,' 4/<,+' ,-,' .9,' 5,<3*+' 5,.' 34' ;35.5' 8/5' -,/<9,+

915' =1.' 938,?,-' +,41*1.,7>' 5.3;;,+' 43-' .9,' : 3 : ,*.' : >' </-,,-' /5' /' <9/ : 315 9)*.,-' 5)<9' 8/5' .9,' 571;;,->' ;,-;,*+1<)7/-' /*+')..,-7>' +/*2,-3)5' */.)-,' 34' .9,' -3<05' ' 43-.*129.' =,43-,' ' 9/+' <71 : =,+' .9,' 7/I/' +,' 7 : /*I41-' 1*' .9,' 1,--/' +,' $-++35' =).' .9,5,' ;1**/<7,5' 34' .9,' 1<35' E1-3?,+' =,>3*+' : >' ;38,-5' 9,' /+ : 15513*' =,>3*+' /*>' 83-+5' 34' : 1*,' =,5;,/05' .9,' <9/-/<.,-' 34' .9,5,' /*./7 -1/)' ;,/05' ,-,' 3*' /' +1II>' 7,+2,' /.' &!!!' 4,,.' ' -, : /1*,+' =,91*+' 8917,' .7R,' -,5.' 34' .9,' ;/-.>' 4171*2');' /' -3<0' 5./1-' 8,-,' 735.' .3' 5129.' 81.91*' 414.,,*' >/-+5

(6"5(' 3(' ! 5(+ ()' $7$4' ,($:' #(4"&)' ,($:' %&' (3 '$ %&9' $' %)(!' (' 7 "'(' 8$!' +"5)%''(5$' "6' $& $#5%$B $' 9'"54' "6' 3" & $%&26"53!

"' "' "' ' ' ' ' ' "

)' ' ' # ' ' ' ' ' "

&' 3$ (! %+' $55$4@' ,%&&$+'(!' $&)' +5$&&%()' ! 3 3% !' 6'(+:()' $&)' ! 5($:()' 7% ' 9'%! (&%&9' !&"7!' (& 5$' $&)' ! #) (' (' 9%$& !' (&$' %($' 55%$'(!' $5&%="' '%6' (%5' ($)!' $#"8(' (' 5(! ' ,%(5+%&9' (' #' (' ((5B 6$&+%()' !,%5(!' %&' !"3(' +('(! %$' ! 5%&(

%!' ! 3%'%&9' &""& %)(' $&' $''2,(58$)%&9' !,%5%' "6' ,($+(' 5(%9&!H' (' ! #'%3% 4' "6' !"'%)(' 9(&(5$ (!' 5(8(5(&+(' $&)' $7(' (' 8"%+(' "6' (' 5($ "5' !((3!' $)%#'(' $3%)!' (&+"3,$!!%&9' !%'(&+(

$5' $7$4' #('"7' $!' %&' $&" (5' 7"5')' '%(' " !,5($)' + $3,$%9&!' H' ! &'%' ! ##'(!' &(7'4' ! 5%,,()' "6' $ 3&$' +5",!' 6"53' + (; (5!' "6' +"& 5$! ()' +"'" 5' $' !(' "66' 7% ' 9"')(&' #$+:95" &)' (')$5:

CHAMOIS FROM LIFE ON LA LLOROSA, PEÑA VIEJA.

EL CORROBLE, PICOS DE EUROPA, ASTURIAS.

THE HOME OF THE CHAMOIS.

5.)-1/*' 833+5' 8917,' 4-,59' 2-,,*' ;/5.)-,5' =7,*+' 1*' 9/-:3*>' 81.9' .9,' -1/*;' 4371/2,' 34',.9,';?1*,

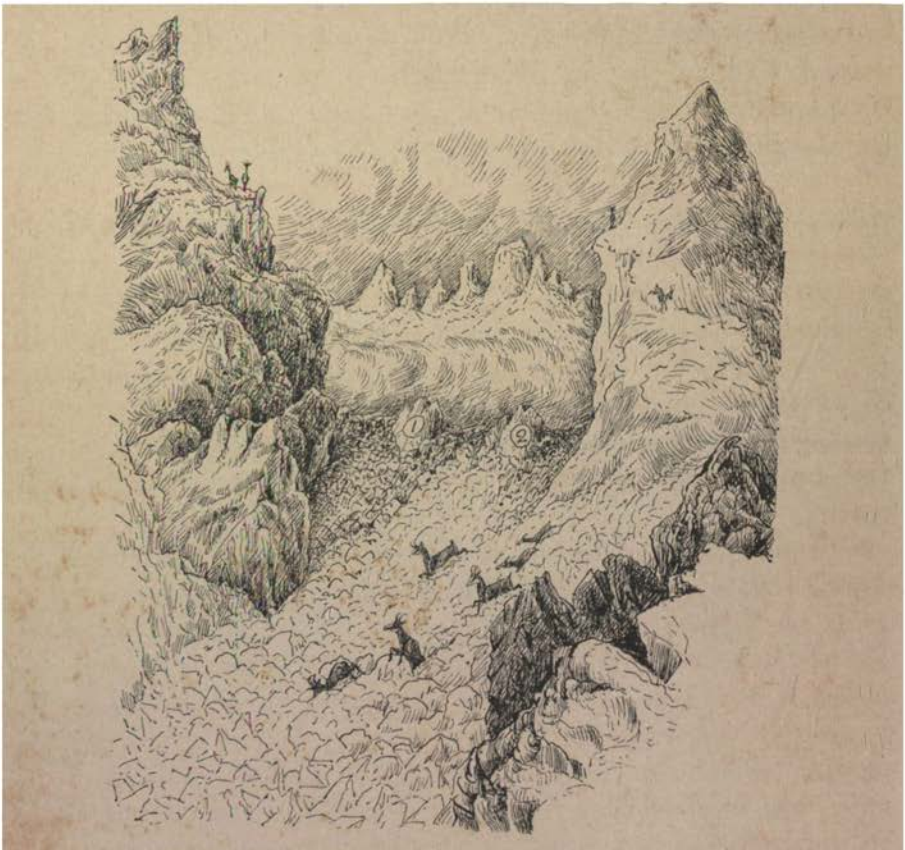
3)-5' 8,*.' =>' /*+' 51C' 3<73<0' </:,' =,43-,' 3*' .9,' 50>@ 71*,' /=3?,' .9,>' /;;,/-,+' 41?,' 34' .9,' ',/<9' =,/-1*2' /' <9/:315' 3*' 915' 593)7+,-' 9,*' 1*' .9,' !!! 4,,.' -/?1*,' .38/-+5' .9,' *3-.9' /' .91-+' +-1?,' 8/5' /..,:;.,+' 43-' :>' 5;,<1/7' =,*,41.8 =).' .9,' +/>' 8/5' 4/-' 5;,*.' /*+' +)-1*2' .9,' <-)<1/7' 9/74 93)-' 5*38' <73)+5' 50)-->1*2' /73*2' .9,' <-,5.5' 59).' 3).' *17' <9/*<,' 34' 5,,1*2' 2/:,' 9,' =,/.,-5' -,;3-.,+',*<7351*2' <Y)1.,' 43-.>' <9/:315' 53:,' 34' 891<9' =-30,' +38*8/-+5' .9-3)29' .9,' 47/*0,-5' .9,' -,5.' ;/551*2' /' .-147,' 81+,' 34' .9,' 2)*5' 915' =,/.' 15' .,-:,+' G' 7' -=37 H

6 -) 7 6 G 1 5 5 ; ,

;3*' -,/<91*2' .9,' -,?,-5,' ;31*.' .9,' 3*+,' /*+' ?,-,' /5512*,+' .9,' :35.' 710,7>' ;35.58' /*+' .9,5,' =,1*2' /753' .9,' 9129,5.' /' 41*/7' 9,/-.=-,/01*2' <71:=');' /' .93)5/*+' 4,,.' 34' 7335,' -3<05' 5)<<,,+,+' 9/:315' 710,' 1=,C' 89,*' +15.)-=,+' 1*5.1*<.1?,7>' :/0,' 43-' .9,' 9129,5.' 2-3)*+' 9,*<,' 3)-' 3<<);/.13*' 34' .9,' .3;:35.' ;/55,5' 9,,-,+' 3*' =>' .9,' 3*+,' 91:5,74' /5' 9/-+' /5' 5.,,7' .9,' ,41=-.' 8/5' /<<3:;7159,+' /*+' 5/*0+38*'=-,/.97,55';/-<9,+' /*+' ,C9/)5.,+'=,91*+' /'=12' -3<0' .9/.' 8/5' 1*+1</.,+' /5' :>' ;351.13*

The lower passes had meanwhile been occupied by the Padre and by sundry shepherds armed with primitive-looking guns.

On recovering some degree of breath and strength, I surveyed my surroundings. We were both stationed on the topmost arête, in a nick that broke for 80 or 100 yards the rim of a knife-



A CHAMOIS DRIVE—PICOS DE EUROPA

Diagram illustrative of text. Our positions on arête marked (1) and (2); "Cathedral" on right. Valley beyond full of driving mist (passing our power to depict).

edged ridge that separated two stupendous gorges. On my right, while facing the beat, and not 30 yards away, the nick was terminated by a rock-mass perpendicular and four-square as a cathedral tower, that uprose some 100 feet sheer. On the left also rose cliffs though not quite so abrupt. The position was such that any game attempting to pass the nick must appear within 50 or 60 yards—so, in our simplicity, we thought.

Behind us dipped away the long moraine of loose rocks by

891<9' 8,' 9/+' /5<,*+,+B 8917,' 1*' 4-3*.' =>' 5.,;;1*2' =).' /' 4,8' ;/<,5' /<-355' .9,' */--38' *,<0' 8,' <3)7+' 7330' +38*' 1*.3' .9,' +,;.95' 34' .9,' 23-2,' 89,*<,' .9,' 6)/-->' R/5' .3' /;;-3/<9' /5' 8,' 4,,=7>' /..,:;.' .3' 5938' 1*' +1/2-/:' /**,C,+

9,';/*3-/:/' 4-3:' .9,5,' /7.1.)+,5' 8/5' 5);,-=' =,>3*+' 83-+5' ,' 8,-,' 9,-,' 4/-' /=3?,' .9,' 5.-/.):' 34' :15.' 891<9' ,*59-3)+,+' 3)-' </:;' /*+' .9,' 51,--/' 43-' 53:,' +15./*<,' /=3?,' 1.' ,' 7330,+' +38*');3*' /' =17738>' 5,/' 34' 891.,' <73)+5' ;1,-<,+' 9,-,' /*+' .9,-,' =>' .9,' 5):::1.5' /*+' -1+2,5' 34' 3).5./*+1*2' <-/25' 710,' 157/*+5' 3*' /' 5)-4 58,;.' <3/5.

4' =1-+ 714,' .9,-,' 8/5' *3' 512*' =,>3*+' <93)295' /*+' /' 53/-1*2' ,/27,' .9/.' 3)-' 2)1+,5' </77,+' /2)17/' ;1*./+/' > + ' ' 1::/.)-,' 9,-,' /-,' 817+ =3/-' 1*' .9,' 43-,5.5' 4/-' =,738' 81.9' 3<</513*/7' 837?,5' /*+'>,.' :3-,' 3<</513*/7' =,/-

/-0% .9,' +15./*.' <-1,5' 34' =,/.,-5' =-,/0' .9,' 537,:*' 517,*<,' /*+' /**3)*<,' .9/.' 3;,-/.13*5' 9/?,' =,2)*' 7:35.' 1*5./*.7>' .9,-,/4.,-' .9,' -/..7,' 34' 7335,' 5.3*,5' +1573+2,+' =>' .9,' 4,,.' 34' :3?1*2' <9/:315' </:,');'4-3:' =,*,/.9' 3)-' ,>-1,' 3' *,/-' 8/5' .9,' 53)*+' .9/.' ,C;,<./.13*' 8/C,+' .,*5,' /*+',>,5' 5</**,+' ,/<9' ;3551=7,' ,C1.

9,*' 4-3:' .9,' 9,129.5' 3*' .9,' 7,4.' /*+' /7-,/+>' /=3?,')5' 5;-/*2' 1*.3' ?1,8' /' =/*+' 34' 41?,' <9/:315' 7129.7>' 501;;1*2' 4-3:' 7,+2,' .3' 7,+2,' 81.9' /*' /2171.>' .9/.' </**3.' =,' <3*?,>,+' 1*' 83-+5' 9,' 3*+,'/*+' 41-,+' 51:)7./*,3)57>' 9,' =,/5.' 9/+' 5,7,<.,+' ;)77,+' 91:5,74' <3*?)751?,7>' .32,.9,-' 5;-/*2' 1*' /1-' /*+' .9,*' 4,77' =/<08/-+5' +38*' .9,' /=>55' 89,*<,' 9,' 9/+' E)5.',:,-2,+' 3' /=-);.' 8/5' .9,' 50>71*,' .9/.' *3' 5,<3*+' =/--,7' 8/5' ;3551=7,' B =).' 8917,' 8,'>,.' 2/I,+' 1*.3' 5;/<,' .9,' -/..7,' 34' 4/771*2' 5.3*,5' -129.' /..-/<.,+' /...,*.13*' 1*' .9/.' +1-,<.13*' /*+' /' <9/:315' 8/5' =3)*+1*2' /<-355' .9/.' 7335,' :3-/1*,' D3-' G' </*/7' H' /5' 1.' 15' 9,-,' </77,+' =>' 891<9' 8,' 9/+' /5<,*+,+' ,' 47,8' .935,' E):=7,+' -3<05' /5' .93)29' .9,>' 8,-,' /' =/77-33:' 4733-' 344,-1*2' /.' =,5.' =).' /' 5*/;@ 593.' /*+' .9,' =)77,.' 43)*+' .9,' =,/5.' /7-,/+>';-3.,<.,+' =>' /' -3<0' /-+7>' 938,?,-' 9/+' </-.-1+2,5' =,,*' -,;7/<,+' .9/*' .9-,,' :3-,' /' 437738,+' /73*2' ;-,<15,7>' .9,' 5/:,' .-/<0' /*+' .915' .1:,' ,/<9' 2)*' 5,<)-,+' 3*,' =)<0

3.,' .9/.' /77' .9,5,' 7/5.' 43)-' /*1:/75' 9/+' <3:,' 1*' 4-3:' 3)-' ' .9/.' 15' .9,>' 9/+',5</7/+,+' .9,' G' </.9,+-/7]' B .93)29' =>' 89/.',/-.97>':,/*5' .9,>' <3)7+' 5)-:3)*.' 59,,-' -3<0 8/775' +,?31+' 34' ?151=7,' <-/<0' 3-' <-,?1<,' ;/55,5' 9):/*' <3:;-,9,*513*' 3-

)

: >5,74' 9/?1*2' -,2/-+,+' .9,' </.9,+-/7' /5' 1 : ;/55/=7,' ' 9/+' 0,;.' *3' 8/.<9' 3*' .9/.' 51+,

3-' .9,' *,C.' 9/74 93)-' /77' 8/5' 6)1,.' 9,*' 8,' 9,/-+' /2/1*' .9,' -/..7,' 34' 93345' 53 : ,89,-,' +38*')*+,-' /*+' 3*' .9,' 53)*+' <,/51*2' 9/+' 2,*.7>' -/15,+' 3)-5,7?,5' .3' ;,,-' 3?,-' 1*.3' .9,' ,,-1,' /=>55' 1*' 4-3*.' 89,*' /' <9/ : 315' 5)++,*7>' ;30,+' 915' 9,/+' 3?,-' .9,' -3<05' 81.91*' 414.,,*' >/-+5' 3*7>' .3' ?/*159' 710,' /' 47/59

-3 :' .915' /+?/*<,+' ;351.13*' 1*' .9,' 4/-' +15./*<,' 8,' <3)7+' *38' +15.1*2)159' .9,' =,/.,-5' 73301*2' 710,' 471,5' /5' .9,>' +,5<,*+,+' .9,' 3;;351.,' <1-<7,' 34' <-,5.5' /*+' <3)7+' 9,/-' .9,1-' <-1,5' /*+' .9,' -,?,-=,-/.13*' 34' .9,' -3<05' .9,>' +1573+2,+' .3' 5./-' .9,' 2/ : ,' *' ,C.-/' =)-5.' 34' <7/ : 3)-' +,*3.,+' 2/ : ,' /433.' /*+' /' 4,8' 5,<3*+5' 7/.,-' /*3.9,-' <9/ : 315' D9/?1*2' 3*<,' : 3-,' : 3<0,+' .9,' </.9,+-/7' =/--1,-' +/-.,+' /<-355' .9,' : 3-/1*,' =,91*+' /*+' 4,77' 81.91*' /' 5<3-,' 34' >/-+5' 34' .9,' ;-,?13)5' ;/1-' .93)29' /77' .9-,' 8,-' */77>' -,<3?,-,+' 5,?,-/7' 9)*+-,+' 4,,.' =,738' 9/?1*2' -377,+' +38*' .9,5,' ;-,<1;1.3)5' 5<-,,5' 9,' 41-5.' <9/ : 315' ' 9/+' 593.' 9/+' 4/77,*' ,?,*' 4/-.9,-A /.' 3*,' ;31*.' 3?,-' /' 59,,-' +-3;' .9/.' <3)7+' *3.' =,' 7,55' .9/*' L!!' 4,,.' 15' =3+>' 8/5' 5 : /59,+' 1*.3' ;)7;' ,?,->' =3*,' =-30,*' =).' <)-13)57>' .9,' 93-*5' 9/+' ,5</;,+' 1*./<.' ,' 8,-,' :)<9' 5.-)<0' =>' .9,' <7,/-' , : ,-/7+ 2-,,*' 7129.' 1*' .9,' ,>,5' 34' *,87>' 0177,+' <9/ : 315

9,' =,/.,-5' =,1*2' *38' <735,' /.' 9/*+' 8,' 5<-/ : =7,+' +38*' .3' -,E31*' .9,' /+-,' 893' 9/+' 3<<) ;1,+' .9,' ' *,C.' =,738' 3)-5' ,' 43)*+' .9/.' 83-.9>' : /*' ?,->' 9/;;>' /5' 9,' 9/+' 5)<<,,+,+' 1*' ;)..1*2' .83' 57)25' 1*.3' /' <9/ : 315 =)<0' .3' 891<9' .9,' ' ' 9/+' =,,*' 21?,*' =>' 3*' ,-/41*' 738,-' +38*

' <)-13)5' 1*<1+,*.' 3<<)--,+' /5' 8,' : /+,' 3)-' 8/>' .3' .9,' *,C.' =,/.' 89,-,' G' 3' L'H' 8/5' .3' -,E31*')5')++,*7>' .9,' -)22,+' 5.3*,5' .9/.' 5)--3)*+,+')5' 8,-,' ?1?141,+' =>' /' 9,-+' 34' =3)*<1*2' <9/ : 315A .9,>' 9/+' ;-,5) : /=7>' =,,*' +15.)-=,+' ,75,89,-,' /*+' 5,?,-/7' </ : ,' 3)-' 8/>' ' =)<0' 4,77' .3' /' 73*2' 593.' 34' 3)-' 935.8' 8917,' /*3.9,-' 5)++,*7>' 5;-/*2' 1*.3' ?1,8' -129.')*+,-' .9,' /+-,' 54,,.' 915' 9,' /?,--,+' 9,' 83)7+' <,-./1*7>' 9/?,' 0177,+' 9/+' 9,' =,,*' 73/+,+' 81.9' 57)25' ' 1*5.,/+' 34' =/77

9,' 51C' <9/ : 315' =-3)29.' 1*.3' </ :;' .3 *129.' 1*<7)+,+' 43)-' =)<05' /*+' .83' +3,5' ,' 9/+' *3.' 3)-5,7?,5' 43)*+' 1.' ;3551=7,' .3' +15.1*2)159' .9,' 5,C,5' 1*' 714,' .93)29' 73*2' ;-/<.1<,' ,*/=7,+' .9,' 3*+,' .3' +3' 53' 89,*' 81.91*' : 3+,-/.,' +15./*<,' 77' 51C' 8,-,' 34

* ˢ -!A')+ˢ)#ˢ *- ˢ +*,)!+ˢ 4

/ˢ43C> -,+ˢ <373)-ˢ /*+ˢ .9,ˢ 93-*5ˢ :,/5)-,+ˢ 4-3:ˢ 5,?,*ˢ .3ˢ ,129.ˢ 1*<9,5ˢ 3?,-ˢ .9,ˢ =,*+

9/:315ˢ /-,ˢ <,-./1*7>ˢ ?,->ˢ :)<9ˢ ,/51,-ˢ .3ˢ 3=./1*ˢ .9/*ˢ 1=,Cˢ 3.ˢ 3*7>ˢ /-,ˢ .9,>ˢ .,*437+ˢ :3-,ˢ /=)*+/*.ˢ =).ˢ 381*2ˢ .3ˢ .9,1-ˢ +1)-*/7ˢ 9/=1.5ˢ .9,>ˢ /-,ˢ ,/517>ˢ 5,,*ˢ 8917,ˢ 4,,+1*2ˢ 1*ˢ =-3/+ˢ +/>7129.ˢ D34.,*ˢ 1*ˢ 7/-2,ˢ 9,-+5ˢ 3*ˢ .9,ˢ 3;,*ˢ 917751+,5ˢ 9,>ˢ *,?,-ˢ ,*.,-ˢ </?,5ˢ 3-ˢ <-,?1<,5ˢ 34ˢ .9,ˢ -3<05ˢ /5ˢ 1=,Cˢ 9/=1.)/77>ˢ +3

9/:315ˢ :129.ˢ)*+3)=.,+7>ˢ =,ˢ 3=./1*,+ˢ =>ˢ 5./701*2ˢ .93)29ˢ .9/.ˢ /-.ˢ 15ˢ *3.ˢ ;-/<.15,+ˢ 1*ˢ ;/1*ˢ 9,ˢ ,C<,551?,7>ˢ -)22,+ˢ */.)-,ˢ 34ˢ .9,ˢ 2-3)*+ˢ 15ˢ -/.9,-ˢ /2/1*5.ˢ 1.Fˢ 43-ˢ 3*,5ˢ ?1,8Sˢ =,1*2ˢ 34.,*ˢ 53ˢ -,5.-1<.,+ˢ .9,-,ˢ 15ˢ +/*2,-ˢ 8917,ˢ 5./701*2ˢ <9/:315ˢ 891<9ˢ 9/?,ˢ =,,*ˢ ,5;1,+ˢ 4-3:ˢ /ˢ +15./*<,ˢ 34ˢ GE):;1*2Hˢ 3.9,-5ˢ ;-,?13)57>ˢ)*5,,*ˢ .93)29ˢ :)<9ˢ *,/-,-ˢ -1?1*2ˢ /5ˢ /=3?,ˢ +,5<-1=,+ˢ 15ˢ .9,ˢ :,.93+ˢ)5)/77>ˢ /+3;.,+ˢ ,8ˢ =,/.,-5ˢ <3:;/-/.1?,7>ˢ /-,ˢ -,6)1-,+ˢ Bˢ .9,ˢ ;351.13*5ˢ 34ˢ 47/*0,-5ˢ /*+ˢ 5.3;5ˢ /-,ˢ 34.,*ˢ <7,/-7>ˢ 1*+1</.,+ˢ =>ˢ .9,ˢ */.)-/7ˢ <3*412)-/.13*ˢ 34ˢ .9,ˢ <-,5.5

325ˢ /-,ˢ 3<</513*/77>ˢ ,:;73>,+ˢ 9,ˢ 2/:,ˢ 1*ˢ .9,1-ˢ .,--3-ˢ 34ˢ </*1*,ˢ ;)-5),-5ˢ 8177ˢ ;)59ˢ 43-8/-+ˢ 1*.3ˢ ;-,<1;1<,5ˢ 89,*<,ˢ .9,-,ˢ 15ˢ *3ˢ ,C1.Bˢ /*+ˢ .9,*ˢ -/.9,-ˢ .9/*ˢ /..,:;.ˢ .3ˢ .)-*ˢ 8177ˢ 5;-1*2ˢ +38*ˢ .3ˢ <,-./1*ˢ +,/.9

9,ˢ =,5.ˢ 433.2,/-ˢ 15ˢ .9,ˢ ;/*159ˢ ˢ 3-ˢ 9,:;537,+ˢ 5/*+/7ˢ 9,>ˢ 8177ˢ 81.95./*+ˢ .83ˢ 3-ˢ .9-,,ˢ +/>5ˢ 8,/-ˢ 3*ˢ .9,ˢ -3)29,5.ˢ 34ˢ -3<05ˢ /*+ˢ 3*7>ˢ <35.ˢ 53:,ˢ ,129.,,*;,*<,ˢ /ˢ ;/1-ˢ /17,+ˢ =33.5ˢ /-,ˢ)5,7,55ˢ /*+ˢ +/*2,-3)5

1:17/-ˢ +/>5ˢ 437738,+ˢ 53:,ˢ :3-,ˢ 5)<<,554)7ˢ 3.9,-5ˢ 7,55ˢ =).ˢ /77ˢ 7/=3-13)5ˢ 1*ˢ .9,ˢ 7/5.ˢ +,2-,,ˢ 3.9ˢ 71:=5ˢ /*+ˢ 7)*25ˢ 9/+ˢ 8,77ˢ *129ˢ 21?,*ˢ 3).ˢ ,-,ˢ .9,ˢ .1:,ˢ /--1?,+ˢ .3ˢ 5.-10,ˢ </:;ˢ /*+ˢ /=/*+3*ˢ 3)-ˢ ,>-1,

)-1*2ˢ .9,ˢ +,5<,*.ˢ .3ˢ)7*,5ˢ 8,ˢ *3.1<,+ˢ /ˢ 23/.ˢ 891<9ˢ 1*ˢ 4,,+1*2ˢ /73*2ˢ .9,ˢ <-/25ˢ 9/+ˢ -,/<9,+ˢ /ˢ 5;3.ˢ 89,*<,ˢ 1.ˢ <3)7+ˢ *,1.9,-ˢ -,.-,/.ˢ *3-ˢ ,5</;,ˢ /*+ˢ =>ˢ =7,/.1*2ˢ <-1,5ˢ +15.1*<.7>ˢ +15;7/>,+ˢ 1.5ˢ 4,/-ˢ 38ˢ .9/.ˢ 23/.ˢ 8/5ˢ 3*7>ˢ 83-.9ˢ 3*,ˢ +377/-ˢ >,.ˢ 1.5ˢ 38*,-ˢ 5;,*.ˢ /ˢ 5371+ˢ 93)-ˢ -1501*2ˢ 915ˢ 38*ˢ 714,ˢ 1*ˢ <-/871*2ˢ /73*2ˢ 7,+2,5ˢ /*+ˢ 59,7?,5ˢ 34ˢ /ˢ 4,/-4)7ˢ -3<0 8/77ˢ " ˢ .3ˢ 5/?,ˢ .9,ˢ 8-,.<9,+ˢ /*1:/7ˢ ,ˢ 7330,+ˢ 3*ˢ 5;,,<97,55ˢ 4/5<1*/.,+ˢ 81.9ˢ 93--3-A /.ˢ .1:,5ˢ ;)75,5ˢ 8,77 *129ˢ 5.33+ˢ 5.177Bˢ ,?,*ˢ 3)-ˢ 9)*.,-5ˢ -,<32*15,+ˢ .9/.ˢ .915ˢ 8/5ˢ /ˢ -/59ˢ ;,-43-:/*<,ˢ ,.ˢ .9/.ˢ 23/.ˢ 8/5ˢ -,/<9,+ˢ /ˢ 7/553ˢ /../<9,+ˢ .3ˢ 1.5ˢ *,<0ˢ /*+ˢ 1.ˢ 8/5ˢ +-/8*ˢ);8/-+5ˢ .3ˢ 5/4,.>

915ˢ 1*<1+,*.ˢ 3<<)--,+ˢ 3*ˢ .9,ˢ /-/*E3ˢ +,ˢ)7*,5ˢ /ˢ +373:1.,

: 3) *. /1*' 891<9' 5. / *+5' 3) .' 710,' /' ; , - ; , *+1<) 7/ -' / *+' 43) - 56) / -, '
.38 , -' 1*' .9 ,' <, *. - /7' 2-3) ;' 3-')' 34' .9 ,' 1<35 A .9 /.' 0*38 *'
/5' --1/7,5' 9 ,' /<.) /7' 9,129.' 34' .9 ,' / - / *E3' 15' 21?, *' /5' "(('
4, , . ' 891<9' 15' , C<, , +, +' =>' .935 ,' 34' , 1.9 , -' 34' .9 ,' 3.9 , -' . 83' 2-3) ; 5'
.3' , /5.' / *+' 8 , 5.' - , 5 ; , <.1?, 7>') .' 1.5' /=-) ; .' <3*412) - / .13*' 21?, 5'
.9 ,' / - / *E3' =>' 4/ -' .9 ,' : 35.' 1 : ; 351*2' 1*+, , +' / ; ; /771*2' / ; ; , / -@
/ *<, ' 4/ -' 5) - ; /551*2' /77' 1.5' -1?/75' 8917,' 1.5' 7/ . , - /7' 8 /775' 34' 59, , -'
-3<0' 53 : ,' 34' 891<9' - , /<9' LM ! !' .3' ! ! !' 4, , .' ?, - .1< /77>' 73*2' 7, *.'
.915' ; , / 0' .9 ,' - , ;) . / .13*' 34' =, 1*2' /=537) . , 7>') *5</7/=7, ' 9/.' 4, /.'
9/5' 938 , ?, -' D/4. , -' <3) *.7,55' 4/17) - , 5 ' =, , *' /<<3 : ; 7159 , +' 1*' .9 ,'
41-5.' 1*5. / *<,' =>' 3*' , +-3' 1+/7' # / -6) 15' +,' 177 / ?1<135 /' +,'
5.) -1/5' 893' 8 /5' /<<3 : ; / *1, +' 1*' .9 ,' /5<, *.' =>' $ - , 23-13' , - , I'
/' 4/ : 3) 5' <9 / : 315 9) *. , -' 34' /1*

.' -, * /5' +,' /=-/7,5' 8 ,' =/+,' 4/ - , 8 , 77' .3' 3) -' 01*+' 935.' +, 5; /. <9 , +' / - / =/773' 81.9' .9 ,' = /22/2 ,' .3' / *. / *+, - ' .9 , *<,' .3'
41*+' 915' 8 />' .3' , - , I' /5' =, 5.' 9 ,' : 129.' =>' 5 , /B / *+' 3) -5, 7?, 5'
+-3?, ' 344' .9-3) 29' .9 ,' 91775' 43-.>' : 17, 5' .3' .9 ,' - /178 />' /.' /=, I+*'
+, ' 7/' /7' .9 , - , ' .3' , *. - /1*' 43-' 17=/3' /-15' / *+' 3*+3*

*') 2) 5.' L" ' L&&L' /.' /' -3>/7' ' /=3?, ' 71?/' / *+'
+/ - /' # ' 3' 743*53' N ' - , <3?, - , +' .9 ,' 5/ : , ' , ?, *1*2'
D7>1*2' +, / +' / -3) *+' 915' ; 35.' *3' 7, 55' .9 / *' .8 , *.> 3*, ' <9 / : 315'
91-. , , *' : 3-, ' 891<9' 9/+' 4/77, *' 1*.3' .9 ,' /=>55' =, *, /.9' 8 , - ,'
=-3) 29.' 1*' *, C.' : 3-*1*2' / *+' *1*, ' 3.9 , -5' 7/. , - ' : /01*2' /' .3. /7'
34' 43-.> .9 - , , ' <9 / : 315' /<.) /77>' - , <3?, - , +' =, 51+, 5' .935, ' .9 /.' 9/+'
73+2 , +' 1*' 5) <9' 1* / <<, 551=7, ' 5 ; 3.5' .9 /.' .9 , 1-' =3+1, 5' <3) 7+' *3.' =, '
- , /<9 , +

.' / *3.9 , -' -3>/7' 5933.' 9 , 7+' L5.' / *+' *+' , ; . , : =, -' L" ! M'
' P1*2' 743*53' N ' 0177 , +' 41?, ' <9 / : 315' .9 ,' .3. /7' =/2' 3*'
.9 /.' 3<< /513*' =, 1*2' .8 , *.> .9 - , ,

' 9 ' ' 6 ' ' ' 6 + ' 9

' L" ! M' .9 ,' 4- , , 937+, -5' 34' .935 ,' ?177/2, 5' 1' .9 ,' .9 - , ,' ; -3?1*<, 5'
34' / *. / *+, - ' , Q*' / *+' 5.) -1/5' 891<9' 71 ,' , *<1-<71*2' .9 ,' 1<35'
+, ') -3 ; / ' 344, - , +' .3' # ' P1*2' 743*53' N ' .9 ,' , C<7) 51?, '
-129.5' 34' 9) *.1*2' .9 ,' <9 / : 315' .9-3) 293) .' .9 ,' 8937,' G' , *. - /7'
$-3) ; H' 15' # / E, 5.>' 8 /5' ; 7, /5, +' .3' / <<, ; .' .9 ,' 341, - ' / *+' 1*'
.9 ,' 437738 1*2' >, / -' <3 : : 15513*, +' .9 ,' # / -6) 15' 34' 177 / ?1<135 /' +,'
5.) -1/5' D. 9 , ' 1*. - , ; 1+' <3*6) , -3-' 34' .9 ,' / - / *E3' .3' / ; ; 31*.' 2) / -+5'
.3' ; - , 5, -?, ' .9 ,' 2 / : ,

Five such guards were appointed in 1906, their chief being the aforementioned Gregorio Perez, representing the region of Caïn, the other four representing those of Bulnes, Sotres, Espiñama, and Valdeón.

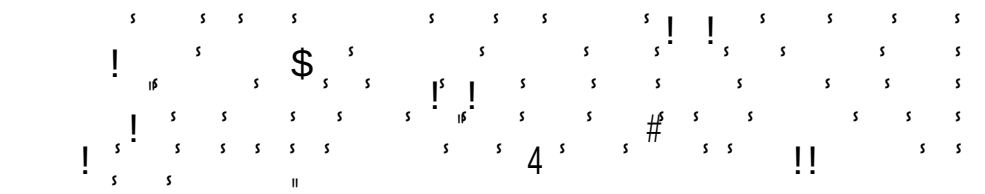
The chamois in the four regions named can be counted in thousands.

TYPES OF SPANISH BIRD-LIFE

HOOPOE (*Upupa epops*)

The crest normally folds flat, backwards (as shown at p. 69), but at intervals flashes upright like a halo.

)3-&!#(+ ' +*,)!+ 4 0



/-.9,-53).9 1* ,Q* /*+ *3-.9,-* 5.-, : /+)-/ /-,/753 -1?,-5 34 41-5. -/.,<9/-/<.,- 9, 7/2+* 43- ,C/ : ;7, 81.9 1.5 .-1=)./-1,5 15 8,77 /+/;.,+ 43- .-3).A +/591*2 5.-,/ : 5 81.9 /7.,-*/.,5.-,.<9,5 34 ;337 /*+ -/;1+ 9,5, 5.177 937+ .-3).1* .9,1- 9,/+ 8/.,-5 / : 3*2 .9, : 3)*./1*58 =). 738,- +38* .9, 5;,<07,+ =,/).1,5 /-, 8,77 *129 ,C.1-;/.,+ ?

* .915 -,213* 3*, 4-,6),*.7> 3=5,-?,5 *3. 81.93).5)-;-15, ,?1+,*<,34.9,1*.-3+)<.13*/*+ /<<71 : /.15/.13* 34 ,C3.1<;-3+)<.5 => 37+ .1 : , #33-5A 34.,* 1* : 35. 3)./*+159 *3305 89,-,?,- .9,1- 0,,* ,>,5 9/+ 5;3..,+ 53 : , 4,-.17, ;/.<9 ;-3=/=7> ,-,.915 .9/. ,*,-2,.1< -/<, 83)7+ 9/?, ;-,5,-?,+ /*+ <)7.1?/.,+ .9, .-3). 9, 5)<<,55 34 5)<9 ,*.,-;-15,1* ,8 ,/7/*+ /*+ 3).9 4-1</ D1. 15 ,?,* ;-3 : 151*2 .3 5)<<,,+)*+,- .9, 6)/.3-1* 4-1</ /*+ 1*+,,+ 1* ;/1* 1.5,74 D/. 72,<1-/5 /..,5.5 938 ,/517> .9,5, =,-1/* 8/.,-5 : 129. =, ,*+38,+ 81.9 /* ,8 1*.,-,5./*+ /* ,8 ?/7),

)<9 938,?,- 15 ,C15.,*./;/.9> .9/. /7.93)29 .9, 73</7 */.1?,5 D 5.-, : /+)-/ 8,-, /8/-, 34 .9, ;-,5,*<, 34 4159 1* .9,1- -1?,-5 /*+ .37+)5 .9/. 53 : , -/* .3 L! 3- L 7=5 1* 8,129. D.9,5, 8,-, =/-=,7 >,. .9,> 0*,8 *3 +15.1*<.1?, */ : ,5 43- .9, ?/-13)5 5;,<1,5 77 4159 =12 3- 71..7, 8,-, : ,-,7>>1<5<,5A @ (3*,<3)7+ +,5<-1=, .9, : 89,.9,- /5 .3 /;;,/-/*<, 3- 9/=1. *3- +1+ .9,> 0*38 89,.9,- 53 : , 5;,<1,5 8,-, : 12-/.3-> 3- 3.9,-815,

9, 3*7>/*271*2 8, 9/?, 5,,* ;-/<.15,+ 1* .915 ;-3?1*<, 8/5 /. -)E1773 89,-, 1* 53 : , 7/0,5 /+E31*1*2 .9/. 37+ 83-7+ <1.> . D8, ;-,5) : , .,*<9);.3 M 3- Q 7=5 /-, ./0,* 81.9 =/1.

; !

3 5)<9 /* ,C.,*.)5,+ .9,5, .3 /=3)*+ 1* 5.)-1/* 5.-,/ : 5 .9/. : /1+ 5,-?/*.5 5.1;)7/.,+ 3* ,*.,-1*2 +3 : ,5.1< 5,-?1<, .9/. .9,> 593)7+ *3. =, 21?,* 5/7 : 3* : 3-, .9/* .81<, /8,,0 . .9, ;-,5,*. +/> .9, ;377).13* 34 -1?,-5 => <3/7 : 1*1*2 /*+ 3.9,. 1 : ;)-1.1,5 9/5 1* 53 : , </5,5 =/*159,+ .9, 5/7 : 3* ,*.1-,7> 1*

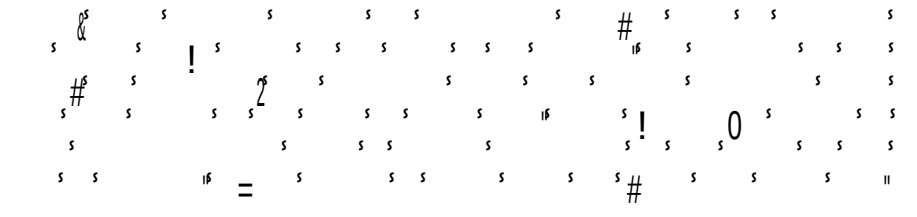
4 5 □# $%&' (' %!)#

3.9,-5' 2-,/.7>' -,+)<,+' .9,1-' *) :=,-5' 9,-,' >,.' -, :/1*' *,?,-@ .9,7,55' -1?,-5' 1*' 5.)-1/5' D5)<9' /5' .9,' ,?/' /*+' /-,5' 89,-,' 5/7:3*' /=3)*+' /*+' 89,-,' *) :=,-5' /-,' 5.177' </)29. A <91,47>' =>' *,.' .93)29' -3+ 41591*2' 15' 2-/+)/77>' ,C.,*+1*2' 1.5' ;3;)7/-1.>' G' 381*2' .3' .9,' 273-13)5', :3.13*5' 1.' ,C<1.,5 H

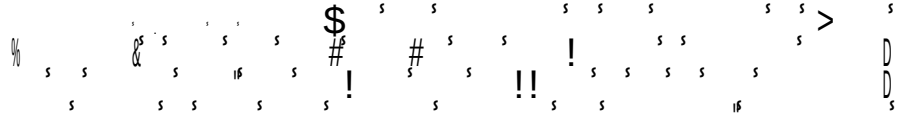
'73</7' :,.93+' +,5,-?,5' /' 83-+' 34' +,5<-1;.13*' *' .9,' <->5./7' <7,/-' 8/.,-5' 34' ' ;/1*' 5/7:3*' /-,' -,2)7/-7>' </;.)-,+' =>' ,C;,-.' +1?,-5' .5',C/<.';351.13*' 9/?1*2' =,,*' :/-0,+' .9,' +1?,-' 581:1*2' 8/-17>')' 4-3:' =,91*+' 571;5' /' -)**1*2' *335,' 3?,-' .9,' 5/7:3*5' 9,/+' 9,' *335,' +-/85' .129.' /5' .9,' 4159' =,21*5' .3' -)*' /*/../<9,+' 71*,' 15' .9,*' 9/)7,+');3*' =>' /' 5,<3*+' 4159,-:/*' 3*' .9,' =/*0

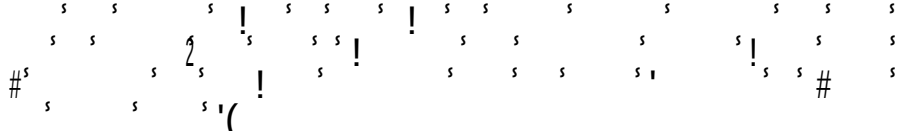
9,' #/-6)15' +,' 177/?1<135/' +,' 5.)-1/5' 8-1.,5')5VA

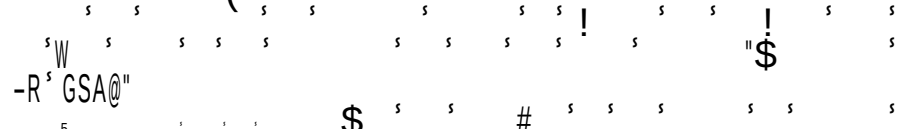
' ' ' ' ! ' ' ' ' ' ' ' ' ! '
' ' ' ' ' %V' ' E' ' E 0, '
! ' ' ' ' ' ' ' '

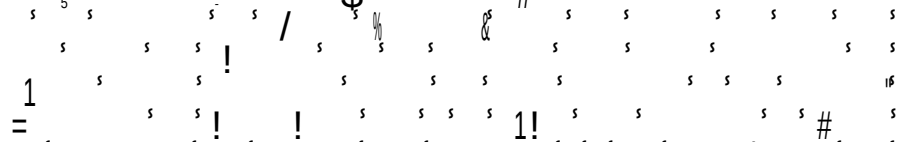


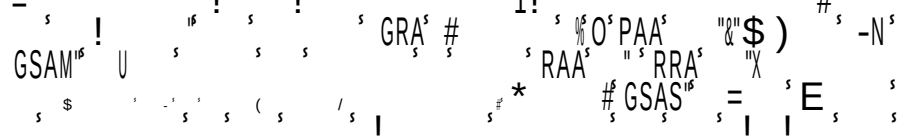
9,43773 81*2 6)/1*.;/-/2-/;95 8, ,C.-/<.4-3:;/*159 *,85;/;,-5 A

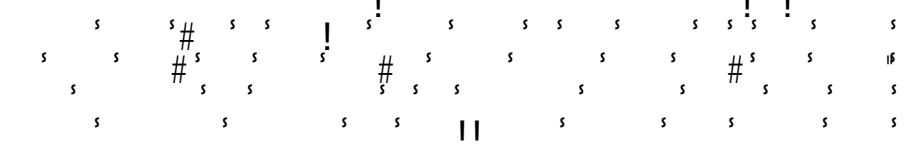


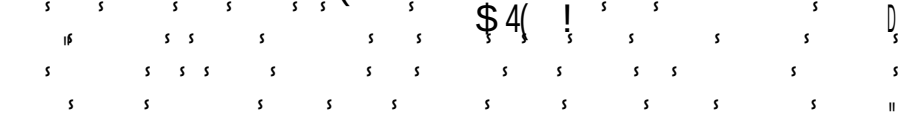












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5;-,/+' /73*2' .9,'8937,' 15</>/*'-/*2,'.93)29'*389,-,'*) : ,-3)5'
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,;1.9/7/ : 1) : ' 9/7.1*2'1*5./*.7>' 89,*' .9,' =1-+' =,<3 : ,5' 517,*.

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9,9/+D ;/*159 .93)29*3.3*7>.9,9/*+53:,5.=).1753.9,=,5.,/.1*2 34/77.1+/7-1?,-4159 15 34*3<3*<,-*.3 .9,/*27,-51*<,1.-,4)5,5.3 7330/.7)-,34/*>01*+

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.' .915' ;,-13+' 89,*' .9,' .)***>' 23' .3' 5;/8*' D,C<7)51?,7>' 7/-2,-' 4159 ' .9,>' .-/?,7' /5' .9,' ;/*1/-+5' 5/>' 81.9' .9,1-' :3).95' 59).' /*+' *3.91*2' 8177' 1*+)<,'.9,:' .3' 7330' /.' /' =/1.' 9,-,' 3<<)-5' 938,?,-' 1*' 81*.,-' D 3?,:=,-' .3' ,=-)/->' /*3.9,-' G'-)*' H' 34' 5:/77,-' 4159' /?,-/21*2' M!' .3' LM!' 7=5' /;1,<,' /*+' .9,5,' /-,' /:,*/=7,' .3' .,:;./.13*' /-14/' 1*' .9,' .-/1.5' 34' $1=-/7./-' 15' /' 4/?3)-/=7,' ;31*.'4-3:' 891<9' .3' /..,:;.' .915' 5;3-.' 9,' 5>5.,:' 15' .3' <-)15,' /=3).'1*' /' 4/7)<93' 3-' 5/171*2 =3/.' </-->1*2' /' ;7,*.14)7' 5);7>' 34' 5/-+1*,5' :/<0,-,7' /*+' 3.9,-' 5:/77' 4159' .3' 5,-?,' /5' =/1.' 9,5,' 3*' /--1?/7' /.' 710,7>' 8/.,-5' /-,' .9-38*' 3?,-=3/-+' 3*,' =>' 3*,' .177' /.' 7,*2.9' .9,>' /..-/<.' /' -3?1*2' .)***>' 9,' 3;,-/.13*' 15' -,;,/.,+' .177' .9,' 6)/-->' 15' ,*.1<,+' <735,');' .3' .9,' ?,55,7' '51:17/-' 4159' 1:;/7,+' 3*' /' .83 1*<9' 9330' 15' .9,*' 344,-,+' 91:' +/*271*2' 3*' .9,' 5)-4/<,' /*+' 8177' ;-3=/=7>' =,' 5,1I,+' 9,' .)***>' 3*' 41*+1*2' 91:5,74' 9,7+' :/0,5' 374' 1*' /'=,,71*,'/./' /' :17,' /' :1*).,' ,,+7,55' .3' 5/>' .9,' 5.-3*2,5.' ./<07,' :)5.' =,')5,+' .32,.9,-' 81.9' 53:,' 9)*+-,+5' 34' >/-+5' 34' 71*,' /*+' .9,' 4129.' 8177' =,' 5,?,-,' /*+' ;-3@ 73*2,+' 43-' .9,' .)***>' 15' 3*,' 34' .9,' 5814.,5.' /*+' :35.' /<.1?,' 34' 4159' /*+' 9,' 8,1295' /5' :)<9' /5' /*' /?,-/2,' :/*' ,8' /:/.,)-5' 9/?,' 91.9,-.3' /..,:;.,+' .915' 5;3-.ß =).' /5' 7/-2,' *):=,-5' 34' .)***>' /-,' </)29.' .9)5' =>' ;-34,5513*/7' 4159,-:,*' 81.9' ,C.-,:,7>' <3/-5,' 9/*+ 71*,5' .9,-,' 5,,:5' .3' =,' *3' -,/53*' 89>' G' =12 2/:,' 41591*2' H' 1*' ;/1*' 14' 5<1,*.141</77>';)-5),+' :129.' *3.-1?/7' .9/.' 34' /7143-*1/

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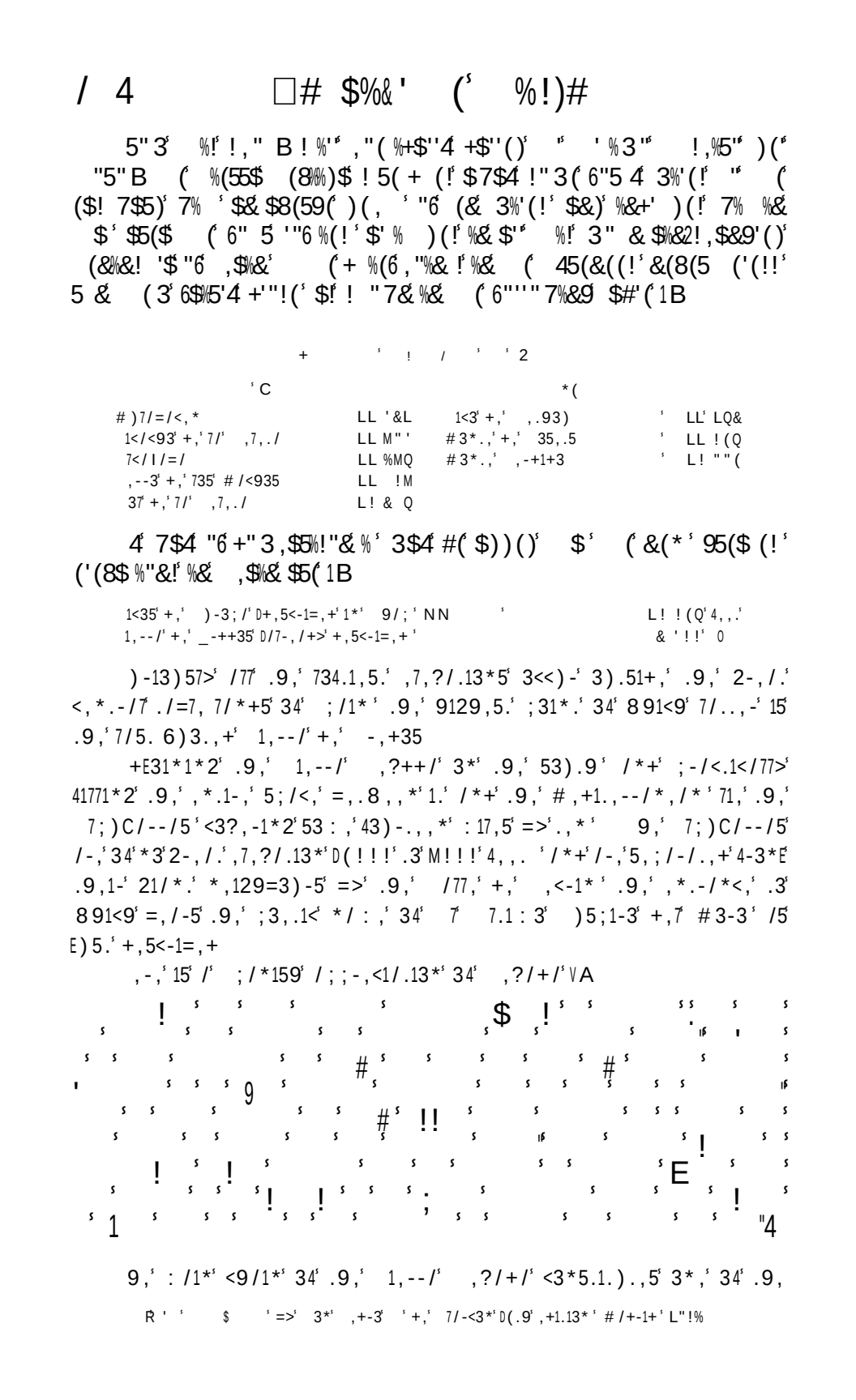

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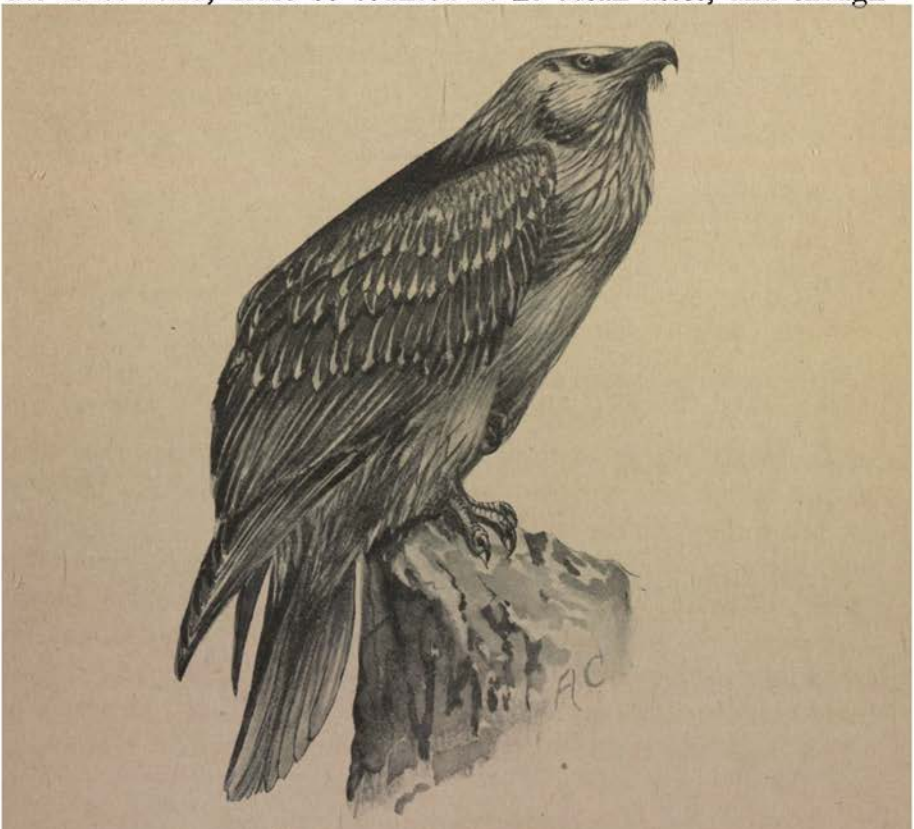
strongholds of the Spanish ibex; and, curiously, the ibex is the solitary example of big game that these mountains can boast. Differing in geological formation from other mountain-systems of southern Spain, the Sierra Neváda shelters neither deer of any kind—red, fallow, or roe—nor wild-boar. The ibex, on the other hand, must be counted as no mean asset, and though



LAMMERGEYER (*Gypaëtus barbatus*)

A glorious denizen of Sierra Neváda.

totally unprotected, they yet hold their own—a fair average stock survives along the line of the Veleta, Alcazába, and Mulahacen. This survival is due to the vast area and rugged regions over which (in relatively small numbers) the wild-goats are scattered; but even more so to the antiquated muzzle-loading smooth-bores hitherto employed against them. That moment when cheap, repeating cordite rifles shall have fallen into the hands of the mountain-peasantry will sound the death-knell of the ibex.

- ') !' 2!(! / 0

' : /1*' 81*.,-' -,53-.' 15' 5);;71,+' =>' .9,' 7;)C/--/5' /*+' =,>3*+' .9,' +1?1+1*2' /77,' +,' ,<-1*' 1=,C' /-,' +15.-1=).,+' /73*2' .9,' 8937,' 5,-1,5' 34' :3)*./1* -/*2,5' [B=/.' 71,' /73*2' .9,' #,+1.,-@ -/*,/*' /5' 4/-' /5' .9,' 1,--/5' ,-:,E/' R*+' 3*+/

:3*2' .935,' 5)=51+1/->' -/*2,5' .9,' 43773 81*2' :/>' 9,-,' =,' 5;,<141,+' /5' 1=,C 4-,6),*.,+' .3' 8 1.V .9,' 1,--/5' +,' ,-E/' /*+')E/-' *,/-' #3.-17' 1,--/' ,E++/' 7>1*2' 53).9' 34' .9,' ,2/' +,' $-/*/+/' D,5;,<1/77>' .9,' ;/-.' </77,+' /5)7/5' 891<9' 81.9' :35.' 34' .9,' -/*2,' 15' ;-1?/.,';-3;,->' /*+';-,5,-?,+' 1,--/5' +,' 3:;,./' /*+' 79/:/' /*+' *,/-,-' .9,' 5,/' .9,' 1,--/' -12171/*/' =,73*21*2' .3' .9,' 7/.,')0,' 34' ,-*/*')*,I' 893' 5,<)-,+' .-3;91,5' .9,-,3*' ,C<,,+1*2' .91-.>' 1*<9,5' 1*' 7,*2.9

,5.8/-+' 1*' .9,' -3?1*<,' 34' #/7/2/' 71,' .9,' 1,--/' +,' E,*' 1,--/' 7/*</' /*+' /7*11.,-/' D/' 2-,/.' /-,/' 34' .9,5,' =,1*2' *38' ;-,5,-?,+' =>' #-' /=73' /-135' /*+' 7/5.' .9,' 1,--/' ,-:,E/' +,5<-1=,+' 1*' ' ' ,?,-/7' 34' .9,5,' -/*2,5' /-,' 34' =/-,' -3<0' 8917,' 3.9,-5' /-,' <3?,-,+' .3' .9,1-' 5):: 1.5' 81.9' 23-5,' /*+' 3.9,-' =-)59833+

9,' :35.',*E3>/=7,' 5,/53*' 43-' 1=,C 5933.1*2' D/*+' 3*' ;-,5,-?,+' 2-3)*+' .9,' :35.' 4/?3)-/=7,' 15' +)-1*2')2)5.' /*+' ,;.,:=,-' 89,*' .9,' 5*38' 9/5' ;-/<.1</77>' +15/;;,/-,+',C<,;.' .9,';,-:/*,*.' 27/<1,-5' /*+' 5.-/>';/.<9,5' 1*' 53:,' *3-.9,-*' -/?1*,5' /:;714,' 15' .9,*' +,7129.4)7' /*+',C917/-/.1*2' /*+' 21?,*' 53)*+' 7)*25' /*+' 71:=5' .9,' 2/:,' :/>' =,' 4/1-7>' 5./70,+' /*+' 593.' 9,';93.3' 59385' /' .>;1</7' .-3Z 9>A' /' 2-/*+' 1=,C' -/:' 593.' >,/-5' /23' 3*' .9,' 7</I+=/' 93-*5' NP8' 1*<9,5A /*3.9,-' 5;,<1:,*' :,/5)-1*2' "' 1*<9,5' 15' 412)-,+' 1*' ' ')-' 38*',C;,-1,*<,5' 81.9' 1=,C' 938,?,-' /-,' *38' -/.9,-' -,:3.,' /*+' :129.' /;;,/-' 3).34+/.,' ,' .9,-,43-,' <3*.,*.' 3)-5,7?,5' 81.9' .9,' 43773 81*2',C.-/<.' 4-3:' 3)-' 83-0' 6)3.,+

*' /' =1..,-7>' <37+' #/-<9' :3-*1*2' 8,' 43)*+' 3)-5,7?,5' /5' +/>' 57387>' =-30,' .-/?,-51*2' .9,' 3).5;)-5' 34' .9,' 51,--/A 3*' .9,' 5<,*,' 34' .9,' 2-,/.',/-.96)/0,' 34' L&&(',?1+,*<,5' 34' 891<9' 8,-,';7,*.14)7',*3)29' /:3*2' .9,' 5</..,-,+' 9177 ?177/2,5' 7-,/+>' :/*>' :)7,'.,/:5' 9,/?17>' 7/+,*' 81.9' :,-<9/*+15,' 4-3:' .9,' <3/5.' .38*' 34' #3.-17' 8,-,' 8,*+1*2' .9,1-' 7/=3-13)5' 8/>' 1*7/*+' .' 15' 83-.9' *3.1*2' .9/.' 1*' 4-3*.' 34' 41?,' 3-' 51C' 7/+,*' :)7,5' 1.' 15' <)5.3:/->' .3' 9/-*,55' /' 51*27,' +3*0,>' 915' /*1:/7' +3,5' 71..7,' 83-0' =).' /78/>5';/55,5' /;;-3/<91*2'.,/:5' 3*' .9,';-3;,-' 51+,' /*+' :3-,

□# $%&' (‘ %!)#

3?,-‘ ;1<05‘ 3).‘ .9,‘=,5.‘ ;/-.5‘ 34‘ .9,‘ -3/+‘ 915‘ ,*/=7,5‘ .9,‘ +-1?,-‘ .3‘ 23‘ .3‘ 57,,;‘ /*+‘ .9,‘ ;7/*‘ 8,‘ 8,-,‘ .37+‘ 15‘ /‘ 233+‘ 3*,

.‘ /*E/-3*‘ D &(‘ 4,,.‘ 8,‘=-,/04/5.,+‘ /.‘ .9,‘ /*<1,*.‘) ‘ 34‘ /*‘ /4/,7‘ 89,-,‘ .9,‘=-129.‘ /*+‘=,/).14)77>‘ ;37159,+‘=-/55‘ /*+‘<3;;,-‘<3301*2‘).,*5175‘ 9/*21*2‘ 3*‘ .9,‘ 8/775‘ 8,-,‘ /‘ 5129.‘ .3‘ :/0,‘ /‘</-,4)7‘ 93)5,814,‘,*?13)5‘ ,‘ 8/.<9,+‘ 3)-‘=-,/04/5.‘ <330,+‘ 3?,-‘ .9,‘ <9/-<3/7 41-,‘ /*+‘ 7,/-*,+‘ /‘ 233+‘ +,/7‘ .9,-,=>‘ ,‘ 8,-,‘ +,7/>,+‘ 9,-,‘ /‘ 8937,‘ +/>‘=>‘ 5*38 5.3-*15‘ 9,-,‘ 15‘ 5./=71*2‘)*+,-‘ .9,‘) ‘ 43-‘ M!!‘ ;/<0 /*1:/75‘ 43-‘ /*E/-3*‘ 1*‘ 1.5‘ G‘5,/53*‘H‘ 15‘ /*‘ 1:;3-./*.‘ ;7/<,‘ 4-,6),*.,+‘=>‘ 1*?/71+5‘ 4-3:‘4/-‘ /*+‘ *,/-‘ .5‘ :1*,-/7‘ 5;-1*25‘ /-,‘ -,;).,+‘ ,441</<13)58 =).‘ .9,‘ +-/1*/2,‘ /--/*2,:,*.5‘ /-,‘ ?177/1*3)5‘ 1*‘ .9,‘ ,C.-,:,‘ /*+‘ /7.32,.9,-‘ 1.‘ 5,,:,+‘ /‘ ?177/2,‘ .3‘=,‘ /?31+,+‘ /+‘ .-/<,5‘ 34‘ .9,‘ <937,-/‘ 8,-,‘ ,?,->89,-,‘ ?151=7,‘ :/*>‘ +33-5‘ /*+‘ 71*.,75‘ =,/-1*2‘ .9,‘ 3:1*3)5‘ 512*V 1.‘ 8/5‘ <)-13)5‘ .9/.‘ 1*‘ 53‘ 4,8‘ </5,5‘ 9/+‘ 1.‘=,,*‘,-/5,+

,‘ 7,4.‘=,43-,‘ +/>=-,/0‘ /*+‘ /‘ 4,8‘ 7,/2),5‘ 4/-.9,-‘ 3*‘ .9,‘ /5<,*.‘=,</:,‘ ?,->‘5.,,;‘ /*+‘ /=-);.‘ .9,‘ 9177 <-,5.5‘ 891.9,-‘ 8,‘ 8,-,‘ =3)*+‘ 81.91*‘ ?1,8‘ =).‘ 8-,/.9,+‘ 1*‘ :15.‘ *7>‘ 3*,‘ .-/?,77,-‘+1+‘8,‘:,,.‘1*‘.9,‘73*2‘<71:=‘4-3:‘ -E1?/‘.3‘ /;17,1-/‘ /*+‘9,‘=-1*21*2‘.83‘:)7,73/+5‘34‘+,/+‘/*+‘+>1*2‘59,,;‘83--1,+‘ =>‘ 837?,5‘E)5.‘3).51+,‘ /;17,1-/‘.9,‘ *129.‘=,43-,‘ C;,<.1*2‘ .9/.‘.9,‘ 837?,5‘ 83)7+‘<,-./1*7>‘-,.)-*‘ 8,‘ ;-,;/-,+‘ .3‘ 8/1.‘);‘.9/.‘*129.‘43-‘.9,:B=).‘8,-,‘+155)/+,+‘.9,‘/-2):,*.‘=,1*2‘ G‘.9/.‘15‘,C/<.7>‘89/.‘.9,>‘8177‘,C;,<.X 3‘.935,‘837?,5‘8177‘ ;-3=/=7>‘*3.‘<3:,‘=/<0‘.915‘81*.,-]‘).‘-,.)-*‘.9,>‘+1+‘=3.9‘ .9/.‘*129.‘/*+‘5,?,-/‘4377381*2‘ 9,‘*129.‘=,43-,‘8,‘7,4.‘ /;17,1-/‘3*‘.9,‘-,.)-*E3)-*,>‘D/‘43-.*129.‘7/.,-‘.9,>‘</:,‘1*‘ 2-,/.,-‘*):=,-5‘.9/*‘,?,-‘/*+‘0177,+‘3?,-‘.8,*.>‘59,,;

/;17,1-/‘15‘.9,‘9129,5.‘9/:7,.‘1*‘.9,‘51,--/‘/*+‘15‘<,7,=-/.,+‘ 43-‘1.5‘9/:5‘891<9‘/-,‘<)-,+‘1*‘.9,‘5*38‘ ,-,‘8,‘;).‘);‘43-‘ .9,‘*129.‘57,,;1*2‘/5‘=,5.‘8,‘<3)7+‘/:1+5.‘43875‘/*+‘47,/5‘/4.,-‘ /*/:)51*2‘,?,*1*2‘5;,*./-3)*+‘.9,‘41-,‘89,*3*,‘;3.‘<330,+‘ 43-‘43-.>‘;,3;7,‘=,51+,5‘3)-5,7?,5‘ 9,‘<37+‘8/5‘1*.,*5,‘5.-,/:5‘ 34‘41*,‘5*38‘891-71*2‘1*‘/.‘;7,/5)-,‘.9-3)29‘.9,‘<-/I>‘59)..,-5‘ 53‘8,‘8,-,‘27/+‘.3‘23‘.3‘=,+A 1*+,,+‘ ‘8/5‘<9/5,+‘.91.9,-‘=>‘ /‘9)*2->‘538‘3*‘.9,‘;-3873‘5,,01*2‘53:,.91*2‘.3‘,/.‘/;;/-,*.7>‘ 1*‘:>‘;3-.:/*.,/)

,/?>‘5*38 4/775‘.9/.‘*129.‘/*+‘/77‘*,C.‘+/>‘;-,?,*.,+‘3)-‘ /+?/*<,‘B=).‘/.‘/*‘,/-7>‘93)-‘3*‘.9,‘43773881*2‘:3-*1*2‘8,‘8,-,

ALCAZÁBA. MULAHACEN.

THE PEAKS OF SIERRA NEVADA.

NEST OF GRIFFON.

)*+,-' E!.O 51C'34')5A3*' :)7,5' .93)29' '83)7+' 9/?,' ;-,4,--,+' .3' 8/70' .9,' 5*38' =,1*2' 53' +,,;' 3*,' <3)7+' *3.' 5,' 89,-,' .9,' ,+2,5' 34' .9,' ;-,<1;1<,5' 8,-,' 3' 533*,-' 9/+' ' :3)*.,+' .9/*' .9,' :)7,' 4,77' +38*' 8917,' <-3551*2' /' 9177 .3--,*.' /*+' ' 8/5' 27/+' .3' 41*+' .9,' 8/.,-' *3' +,,;,-

4.,-' <71:=1*2' 5.,/+17>');8/-+' 41W' .9,' :3-*1*2' .9,' 7/5.' .8393)-5' 3*' 433.' .9,' 5*38' 0*,,+,,;' 8,' /.' 7,*2.9 5129.,+' .9,</1-*' 3*' .9,' 9,129.' .3' 891<9' 8,' 8,-,' =3)*+' ,43-,' *129.4/77' 8,' 9/+'-,/<9,+' .9,' ;31*.' =).' 4,8' 34' .9,' :)7,5' /<<3:;7159,+' .9,' 7/5.' 4,8' 9)*+-,+' >/-+5' 4.,-' =-/?,7>' .->1*2' /2/1*' /*+' /2/1*' .9,' ;33-' =,/5.5' 5/*0' ,C9/)5.,+' 1*' .9,' 5*38' /*+' 8,' 9/+' .3' </-->');' .9,' 1:;,+1:,*./' 3)-5,7?,5' 1*' -,;,/.,+' E3)-*,>5' 9,' +,,;' 5*38' .9,' .-,:,*+3)5' /5<,*.' /*+' 1:;3551=171.>' 34' 5,,1*2' /' 433.@ 937+' :/+,' .915' ;3-.,-/2,' :35.' 7/=3-13)5' =).' 8,' 9/+' /77' 5/4,7>' 5.38,+' 1*' 3)-' </?,' =,43-,' 5)*+38*

9,' 3?,-9/*21*2' -3<0' 891<9' 43-' .9,' *,C.' .,*' 3-' .8,7?,' +/>5' 8/5' .3' 5,-?,' /5' 3)-' /=3+,' 8,' 43)*+' /' :/55' 34' 1<1<7,5' 995,' 8,' ;-3<,,+,+' .3' <7,/-' /8/>' /*+' .9,*' =>' /' 233+' 41-,' .3' :,7.' 3)-' 1<,' ,*/:,77,+' <,171*2' 4/*<>1*2' .9/.' .9,' <3*5./*.' +-1;' 3*' 3)-' *35,5' 77' *129.' :129.' =,')*;7,/5/*.' 9,' /7.1.)+,' 34' 3)-' 7,+2,' /=3?,' 5,/' 7,?,7' 8/5' /=3).' &M!!' 4,,.' /*+' 3)-' ;7/.,/)' 34' -,5.A 3)-' 93:,' 53' .3' 5;,/0A :,/5)-,+' E)5.' 5,?,*' >/-+5' =>' .83

/-7>' *,C.' :3-*1*2' 8,' ;-3<,,+,+' .3' ,-,<.' 5*38 5<-,,*5' /.' 4/?3)-/=7,' G ;/55,5 H' 89,-,1*' .3' /8/1.' .9,' 817+ 23/.5' /5' .9,>' :3?,+');' 3-' +38*' .9,' :3)*./1* 51+,' /.' +/8*' /*+' +)50' -,@ 5;,<.1?,7>' .9,1-' 4/?3)-1.,' 433+' =,1*2' .9,' ->,2-/55' 891<9' .9,' ;,/5/*.5' 4-3:' .9,' ?177/2,5' =,738' <3*.-1?,' .3' 2-38' 1*' .1*>' ;/.<9,5' A .83' 3-' .9-,' 54EY)/-' >/-+5' 5</..,-,+' 9,-,' /*+' .9,-,' /:1+5.' .9,' <-/25' .' 15' 3*7>' =>' -/-,' 1*+)5.->' .9/.' ,?,*' 53' ;/7.->' /' <-3;' </*' =,' 5*/.<9,+' /.' 5)<9' /7.1.)+,5' /*+' +)-1*2' .9,' 593-.' ;,-13+' 89,*' .9,' 5*38' 15' /=5,*.' 4-3:' .9,' 53).9,-*' /5;,<.5' .' ;-,5,*.' 1.' ,*?,73;,+' ,?,->.91*2A *3.' /' =7/+,' 34' ?,2,./.13*' *3-' /' :3).94)7' 43-' /' 817+ 23/.' <3)7+' =,' 5,,*

7.93)29' +)-1*2' .9,' +/>' .9,' 5*38' 8/5' 2,*,-/77>' 534.A .9,' 5)*' =,1*2' ?,->' 93.A >,.' /4.,-' +/-0' 8,' 43)*+' .9,' 8/>' +/*2,-3)5' .-/?,-51*2' /' 573;1*2' 571;;,->' 1<,5)-4/<,' 710,' /' 9)2,' 27/<1,-' 89,-,' /' 571;' 3-' 4/75,' 5.,;' 83)7+' 5,*+' 3*,' +38*' 9/74' /' :17,' 81.9' *3.91*2' .3' <7).<9' /.' 3-' .3' 5/?,' 3*,5,74')<9' /' 571+,' :,/*.' +,/.9' 43-' 1.' <3)7+' 3*7>' .,-:1*/.,' 1*' /' ;-,<1;1<,' 3-' 1*' 3*,' 34' .935,' 93--1=7,' 937,5' 81.9' /' -/21*2' .3--,*.' .3' -,<,1?,' 3*,' 1*' 1.5' +/-0' /=>55' /*+

□# $%&' (‘ %!)#

<3*?,>‘ .9,‘ 4-/2 : ,*.5‘ =,*,/.9‘ .9,‘ 5*38 A 89,-,‘ .3‘ /;;,/-‘ *,C.F‘ /<9‘ 5.,;‘ 9/+‘ .3‘ =,‘ <).‘ 81.9‘ /‘ 9/.<9,.‘ 3-‘ 937738,+‘ A .9,‘ =)..‘ 34‘ /‘ -147,‘ 15‘ *3.‘ 1*.,*+,+‘ 43-‘ 5)<9‘ 83-0‘ =).‘ 9/5‘ 9/+‘ .3‘ ;,-43- :‘ 1.

?,->‘ +/>‘ 8,‘ 5/8‘ 1=,C‘ 3*‘ .9,‘ 5*38 41,7+5‘ /*+‘ .38,-1*2‘ -3<05‘ /=3?,‘ 3)-‘ </?,‘ 9,>‘ 8,-,‘ *38‘ 34‘ /‘ 7129.‘ 4/8* <373)-‘ ?,->‘ 59/22>‘ 1*‘ /;;,/-/*<,‘ 53 :,‘ :/7,5‘ </-->1*2‘ :/2*141<,*.‘ 93-*5‘ *,‘ 37+‘ -/:‘ 5,,:,+‘ .3‘ =,‘ /78/>5‘ 3*‘ .9,‘ 8/.<9‘ 0*,,71*2‘ +38*‘ 3*‘ .9,‘ ?,->‘ ?,-2,‘ 34‘ /‘ <-/2‘ M!!‘ 3-‘ Q!!‘ >/-+5‘ /=3?,‘)5‘ /*+‘ 891<9‘ <3 :/*+,+‘ /‘ ?1,8‘ 43-‘ :17,5A .93)29‘ ‘ -,/+‘ =).‘ ;/7.->‘ 83-+5‘ Ł -3:‘ 89,-,‘ .9/.‘ 23/.‘ 8/5‘ 9,‘ <3)7+‘ 5)-?,>‘ 9/74‘ /‘ +3I,*‘ ;-3?1*<,5

9,5,‘ 1=,C‘ ;-3?,+‘ 6)1.,‘ 1*/<<,551=7,‘ /*+‘ *,/-7>‘ /‘ 8,,0‘ 9/+‘ ;/55,+‘ /8/>‘ ,-,‘ /‘ 817+ 23/.‘ 2/?,‘)5‘ /‘ <9/*<,‘ *,‘ *129.‘ 593-.7>‘ /4.,-‘ 6)1..1*2‘ :>‘ ;35.‘ 71..7,‘ =,..,-‘ .9/*‘ /‘ 9):/*‘ 1<1<7,‘ /*+‘ *3.‘ 81.93).‘ 4,/-‘ 34‘ 5<-/:=71*2‘ </?,8/-+‘ 1*‘ /=537).,‘ +/-0*,55‘ /73*2‘ .9,‘ 1<,573;,‘ /‘ 71..7,‘ 9,-+‘ 34‘ 23/.5‘ ;/55,+A :,-,‘ 59/+385A 81.91*‘ ,/5>‘ 593.‘ 34‘ 89,-,‘ 41?,‘ :1*),5‘ =,43-,‘ ‘ 9/+‘ =,,*‘ 7>1*2‘ 1*‘ 8/1.‘ *‘ /*3.9,-‘ :3-*1*34‘ /.‘ +/8*‘ .9,‘ .-/<05‘ 34‘ /‘ =12‘ :/7,‘ 5938,+‘ .9/.‘ 9,‘ .33‘ :)5.‘ 9/?,‘ ;/55,+‘ /.‘ 53 :,‘ 93)-‘ 34‘ .9,‘ *129.‘ 81.91*‘ 41?,/*+.8,*.>‘ >/-+5‘ 34‘ .9,‘ 5*38 5<-,,*

).‘ 1.‘ 8/5‘ *3.‘ .177‘ /‘ 8,,0‘ 9/+‘ ,7/;5,+‘ .9/.‘ 8,‘ 9/+‘ .9,‘ 1=,C‘ -,/77>‘ 1*‘ 3)-‘ ;38,-‘)5.‘ /5‘ +/>‘ =-30,‘ /‘ 9,-+‘ 34‘ ,129.A .83‘ :/7,5‘ /*+‘ 51C‘ 4,:/7,5A 5.33+‘ *3.‘ 43-.>‘ >/-+5‘ 4-3:‘ 3)-‘ </?,+8,771*2‘ 9,‘ 4/<.‘ 8/5‘ /5<,-./1*,+‘ =>‘ 3*,‘ 5.,=/*‘ /‘ ;/*159‘ 5;3-.5:/*‘ 893:‘ 8,‘ 9/+‘ ./0,*‘ 81.9‘)5‘ 17,*.7>‘ 9,‘ 5.37,‘ =/<0‘ .3‘ .9,‘ </?,‘ /*+‘ 81.93).‘ /‘ 83-+‘ 3-‘ +15.)-=1*2‘ .9,‘ +-,/:5‘ 34‘ 915‘ 5.177‘ 57,,;1*2‘ ,:;73>,-5‘ ;1<0,+‘);‘ /*‘ G‘ C;-,55‘ H‘ /*+‘ 8,*.‘ 43-.9‘ 9,*‘ .9,‘ 73)+‘ +3)=7,‘ -,;3-.‘ /.‘ 3)-‘ ?,->‘ +33-5A .9/.‘ 15‘ 9/+‘ .9,-,‘ =,,*‘ /‘ +33-A /-3)5,+‘)5‘ 3*7>‘ .3‘ 41*+‘ ‘ ‘ ‘ .9,‘ 5;33-‘ 34‘ .9/.‘ ,*3-:3)5‘ -/:‘ .9,‘ 5;3.‘ 89,-,‘ 9,‘ 9/+‘ 9/7.,+‘ 715.,*1*2‘ /=3?,‘ .9,‘ </?,‘ /*+‘ .9,‘ 5;7/59‘ 34‘ .9,‘ 7,/+‘ 3*‘ .9,‘ -3<0‘ =,>3*+E ‘ ‘ .33‘ 738X‘ /*‘ 1:;3551=7,‘ :155‘ 43-‘ 3*,‘)5,+‘ .3‘ .9,‘ G C;-,55H‘ 9‘ 5.,=/*‘ 5.,=/*‘ L 89/.‘ 8,-,‘ 3)-‘ 4,,71*25‘ .38/-+5‘ >3)‘ 3*‘ .9/.‘ 4/.,4)7‘ :3-*‘ X

%6(%& $ 3" & $%&2+$8(%9‘ $#"8(!&"72'(8('B !%* 3(&))'()‘ "9((5‘ 7'‘ &9'%!‘ $&)‘ 6" 5‘ ,$&%$5)!B $!‘ % !‘ 7(%5)‘ $&)‘ ,%+ 5(!;(‘ #‘ %‘ $!‘ $'!'‘ % !‘ $5)(5‘ !%)(‘ N(‘ "!( )$4!‘ $&)‘ &%9 !‘ ,$!!()‘ $3%)!‘ 3$ (!%+‘ !+(&(!‘ $&)‘ !5$&9(7%')‘ #($! !‘ $8('(6‘ &" %&9 #‘ ,'($!$&‘ 3(3"5%(!‘ &"5 $8((%5 $5)2

- ') !' 2!(! /

! %,!')((55()' !' 65" 3' 5(,($ %&9 (' (*,(5%3(&' (!(' %&% %$' +$3,$%9&!' 7(5(' "'" ($5'4 %& (' !($!"&L $5+' $&)' ,5%'M
(' "&'4 #%5)!' !((& 7(5(' + " 9 !' $&)' 5$8(&!H 5%&92" =('!' '"7(5)"7&' (5(' 7(5(' ,'(&4 "6 5" ' " 9 ' !3$''' %& (' %''2# 5&!' & "&(' "++$!%"& $ +%5+ '$5 5$%&#"7' $+5"!!' $)((,' 9"59(' ,(56(+ '4 5(6'(+ ()' %& (' +(&5(' " 5 "7& 6%9 5(!' "& ,$!!%&9 $ 9%8(& ,"%&' (' %+(29"%&9 $#%'% %(!' "6 (' 3" & $%&((5!' 7(5(' 3$58('''" !B %&+5()%#'(' !$8(' '" $& (4(27% &(!!' +5"!!' (8(& $ &"5 2)5%6' $5)' $&)' >' !'$,(?$!' ! ((' $&)' &)5()!' "6 4$5)!' %& (* (&' (!(' 3(& 7" ')' ! ((5 $!'%)%&9' !'% (5%&9 +" 5!(' $' ",' !,(()')%5(+ ()' "7$5)!' !"3(' !%&9'(' ,5" (+ %&9 5"+:' '" 3%!!' $'5(6 9(' 3%9' 3($&)($ H # ' (4)%)' &"' 3%!!'%' (8(5' %& (%5 ,(5%'" !' +" 5!(' 3$:%&9 9"")' $ +(5 $%& $3" &' "6 6"57$5)' 3"8(3(&' ' $' 5"+:' (4 7" ')' !('(' %& (%5 3%&)!' (' &(*' ,'"%&' '" #(' 5($+ ()' ; %('4 !3":%&9 $ +%9$5((' 3($&7 %'(' "7' ! +' ,(56"53$&+(!')%3%&%!' "&(E!' !('62(! ((3'D "7' 7($:' $5(' " 5 (66"5 !D 8(& "& (' !"6 (5 !" (5&)5%6!' 8 $' #$'$&+%&9' 7 $' !+5$3#"%&9 $&)' +5$7'%&9 "& $&)!' $&)' :&((!' $5(' &(+(!!$54' $&)' 7 $' $'>+5",,(5? "&(' 7" ')' $8(' +"3(' # ' 6"5 (' 65%(&)'4 $53' "6 &5%; (' 7 "' $!' (' $55(! !' "&(E!',(5%'" !' !'%)(' 3(5('4 3 (5!' >' 8(' $5%$, 5%!!%3$D?

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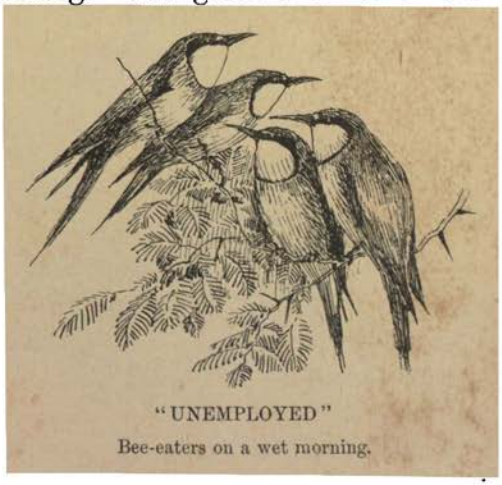
CHAPTER XXXI

IN THE SIERRA NEVÁDA (*Continued*)

ITS BIRD-LIFE IN SPRING-TIME

THE long snow-lines of the sierra had vanished behind whirling cloud-masses, black and menacing. The green avenues of the Alhambra seemed gloomier than ever under a heavy downpour, while troops of rain-soaked tourists belied the glories of an Andalucian springtide.



"UNEMPLOYED"
Bee-eaters on a wet morning.

Serins sang in the elms, and wrynecks noisily courted, as we set forth with a donkey-team for the sierra. On former occasions we had explored northwards up the Darro towards Jaën, another year up the Genil, this spring we had selected the valley of the Monachil. Hardly had we entered the mountains than thunder crackled overhead, and then a rain-burst drove us to shelter in a cave. Next day broke ominous enough, but we rode on up the wild gorge of the Monachil, and after seven hours' hill-climbing reached the alpine farm of San Gerónimo, to the guarda of which we had a recommendation. The house nestles beneath the serrated ridge of the Dornájo, 6970 feet.

With some dismay we found assembled at this outlandish spot quite a small crowd of men, women, and children who, with dogs, pigs, hens, and an occasional donkey, all appeared to inhabit a single smoke-filled room. We were bidden to take seats amidst this company, and watched the attempt to boil an

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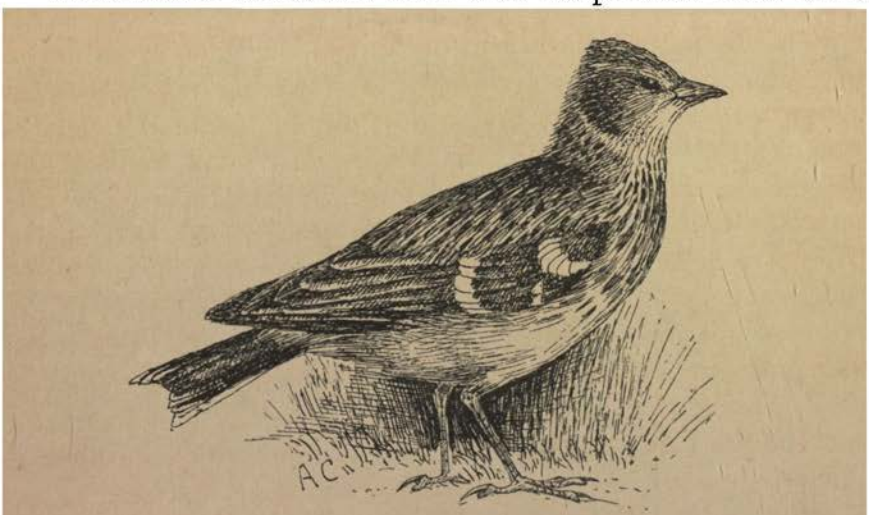
later (say early in June) an ornithologist could easily verify the fact.

May the 1st broke bright and clear, not a cloud in the azure firmament. The songs of hoopoes, serins, and a cuckoo resounded hard by, and from our paneless window we watched three glorious rock-thrushes "displaying" before their sober mates—as sketched at p. 18. Within sight among the tumbled boulders were also a pair of blue thrushes, with a woodlark or two, several black-starts, and rock-buntings.

We bathed in an ice-cold burn with temperature little above



WOODLARK (*Alauda arborea*)

Nests in Nevada up to 5000 feet, and in the pine-forests of Doñana at sea-level.

freezing—at dawn, indeed, the backwaters were ice-bound. Then, mounted on a donkey, the writer alternately scrambled up the stony steeps or dragged the sure-footed beastie behind. The gentler slopes were fairly clad with yellow daffodil or narcissus, now just coming into bloom, and above 7000 feet we entered a zone of dwarf-arbutus and ilex-scrub. The warm sunshine brought out numerous butterflies—it seemed strange to see these frail creatures fluttering across open snows! Most of those recognised were tortoise-shells, rather paler than our own.

Alas, before noon the icy mists once more swept up. In a crevice among some rocks where we sought shelter at 8000 feet the skeleton of a wheatear attested the cruel conditions of bird-life—death by starvation. Here we separated, the writer going

for a snow-scramble, following the dwindling Monachil to its source, where the nascent river trickles in triple streamlets down black rock-walls mantled by impending snow-fields. Here snow lay in scattered patches dotted with the resurgent unkillable "pincushion" gorse (*Buphaurum spinosum*) and a spiny broom that later develops a purple blossom, and separated by intervals where the melting mantle had left Mother Earth viscous and inchoate, heart-broken at the indignity of eight months in the arctic. Higher up the snow became continuous, but seamed by innumerable rills, each laughing and dancing as in delight at a new-found existence, or converging to join streams in buoyant exuberance.

Some leapt forward through fringing margins of emerald moss; others ploughed sullen ways beneath an overhung snow-brae. But no chirp or sound of bird-life broke the silence, the only living creatures were ants and a bronze-green beetle! (*Pterostichus rutilans*, Dej.)—not a sign of those alpine forms we had specially come to seek.

From 8500 feet the snow stretched upwards unbroken (save where some sheer escarpment protruded), covering in purest white the vast shoulder of the Veleta. The Picácho itself was to-day hidden amidst swirling clouds, and only once did we enjoy a momentary glimpse of its great scarped outline. Yet in three short weeks, say by May 20, all these leagues of solid snow will have vanished.

Facing this gorge of the Monachil, the opposite slope is crowned by the conspicuous turreted crags known as the Peñones de San Francisco, 8460 feet. To these L. had climbed, and though we both failed in finding the chief of our special objects (the snow-finch) yet L. had enjoyed a glimpse of another alpine species, new to us, and we decided to revisit the spot on the morrow.

That morning again broke fine, the precursor of a glorious day. Hardly had we left our quarters than a lammergeyer soared overhead, then, gently closing his giant wings, plunged

into a cavern above. Five minutes later he reappeared and, after several aerial evolutions, suddenly checked and, with indrawn pinions, swept downwards to earth. Ere we could surmount an intervening ridge, the great dragon-like *Gypaëtus* swept into view, his golden breast gleaming in the early sunlight, and bearing in his talons a long bone with which he sailed across the valley towards Trevenque; we watched to see the result, but, so far as prism-glasses could reach, that bone was never dropped. Probably he had some special spot habitually used for bone-breaking. Later a griffon-vulture (a species rarely seen in Nevada) passed overhead, and then a second lammergeyer sailed up the gorge of Monachil.

SOARING VULTURE

'Tis a long up-grade grind to the Peñones, but repaid by magnificent views of the Picácho de la Veleta—its scarped outline gloriously offset against the deepest azure and its 1000-foot sheer drop vanishing to unseen depths in the mysterious "corral" beneath—an inspiring scene.

Beyond to the eastward towered the mountain-mass, Mulahacen—perpetuating the name of that Moslem chief whose remains, so tradition records, yet lie in some unknown glacial niche in this the loftiest spot of all the Spains. There they were laid to rest by the fond hands of Zoraya, at the dying request of her husband the penultimate Moorish king, Muley-Hacen.

Our upward course led through beds of dwarf-juniper, thick strong stems all flattened down horizontally by the weight of winters' snows, precisely as one sees them on the high fjelds of

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that had caused us some consternation on our first arrival! The value of the farm, we were told, is put at £8000 Spanish, representing some £400 as yearly rental.

Two years before, wolves had become such a pest to the flocks that strychnine was universally resorted to, with the result that to-day not a wolf is to be seen in the whole sierra. Foxes also perished, and the guarda, Manuel Gallegos, told us that he had thus obtained several wild-cats (*Gatos montéses*) whose skins fetched 20 pesetas apiece as ladies' furs. The following day we chanced on a dead marten-cat, evidently killed by poison; and on showing it to Manuel with the remark that that was *not* a *gato montés*, he replied: "No, señor, that is a *garduño; pero lo mismo da*" = "it's all the same!" Accuracy in definition is not a strong point with Manuel, nor indeed is it with any of our Spanish friends.

GOLDEN EAGLE HUNTING

Martens are the commoner animal in Nevada; there may, nevertheless, be a few true wild-cats, and there certainly are some lynxes. The four-footed fauna of Nevada is sadly limited. There are neither deer of any kind—red, roe, or fallow—nor wild-boar. Bare rocks afford no covert for these: there is, of course, one compensating equivalent in the ibex. Small game is equally conspicuous by its absence. Local *cazadores* (each of whom, of course, possesses a decoy-bird—*reclamo*) enlarge on the abundance of partridge and hares, yet we saw hardly any game whether here on the Monachil, on the Genil, Darro, or at any of the points whereon we have explored the Sierra Nevada. There must, however, be a sprinkling to maintain the golden eagles and peregrines, both of which birds-of-prey we observed.

There were small trout in the Monachil; but in Genil and Dilar (which latter springs from the alpine Laguna de las Yeguas just under the Picácho de la Veleta) trout ran up to a quarter-pound or thereby: the method of capture is dynamite.

Ibex at this season (May) frequent the southern slopes of the main chain—looking down upon the Alpuxarras—a favourite resort being the wild rocks of Alcazába, east of Mulahacen;

but in summer they are distributed along the whole of the "high tops" and are still maintaining their numbers as usual.

We had cherished the hope of meeting with ptarmigan and other alpine forms in these high sierras, especially during our earlier expeditions after ibex. We are satisfied that ptarmigan at least do not exist, having seen no trace of them at any point; but we never saw the snow-finch either, and it is reported to exist in numbers.

Oh! the wearying monotony of that long down-grade ride—the infinity of vast subrounded mountains, all alike, all ugly, all sprinkled rather than clad with low gorse and spiky broom, like millions of pincushions with all points outwards. Then the shale—the very earth seemed disintegrated. Red shale and blue, cinder-grey and lemon-yellow; some schistose and sparkling, the bulk dull and dead. Here and there, amid oceans of friable detritus, stand out great rocks of more durable substance—solitary pinnacles, towers and turrets of fantastic form. Six hours of this ere we reach the *Vega* of Granada.

Ornithology

For ornithologists the following notes on birds observed and not already mentioned may here be inserted:—

Blue and *Rock-thrushes*.—Neither abundant, but the former most so in the rock-gorges of lower Monachil, nesting in "pot-holes" and horizontal crevices of the crags. The rock-thrush is more alpine and confined (here as elsewhere) exclusively to the higher sierra.

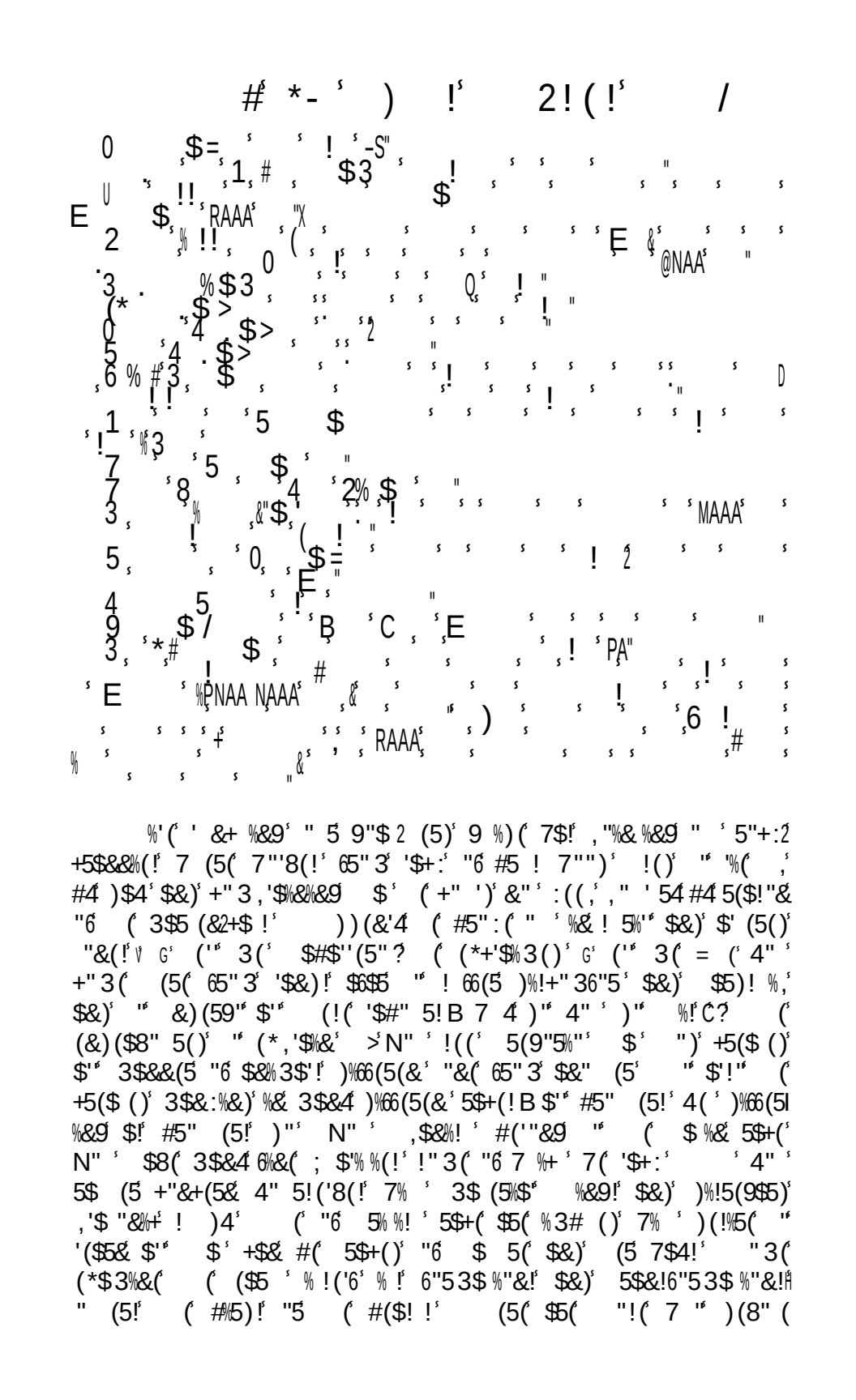
ROCK-THRUSH

Missel-thrushes among ilex-trees at 7000 feet, apparently nesting: a few *woodchats* observed at same points.

Blackstart.—Plentiful, though less so than on San Cristobal in Sierra de Jerez (5000 feet). A nest in the crag overhanging our bathing-place in the burn at San Gerónimo contained five eggs on April 28. We found others on Monachil, and *grey wagtails* were also breeding at both places.

Bonelli's Warbler.—Arrived, and preparing to nest, end of April: a few *whitethroats* and *rufous warblers* early in May. Robins and wrens nesting, and *nightingales* abundant in lower river-valley.

Eared and *Black-throated Wheatear*.—Ubiquitous but not abundant. In both these forms (as well as in the Common Wheatear) the males displayed a dual stage of plumage; some being completely adult, while others retained an immature state somewhat resembling their first dress (May).



their lives to studying the beetles and ants, even the mosquitoes. Now in Spain you find none who are interested in such matters."

Gregorio sat silent and seemed impressed; but Caraballo interjected: "Why waste time? These people are not concerned (*entrometidos*) in such matters." True; but Gregorio had appeared interested and intelligent? "Si! but when folk spent lonely lives among the mountains and never see but a petty hill-village once or twice a year, then intelligence goes to sleep (*se pone dormido*)." Certainly five minutes later they were both hammering away again at the customary small-talk of the by-ways.

TYPES OF SPANISH BIRD-LIFE

SPANISH SPARROW (*Passer hispaniolensis* [*sic*], Temm.)

A bird of the wild woods, never seen in towns; builds in foundations of kites' and eagles' nests. Note that Temminck's Latin seems a bit "rocky." The specific name might be *hispanicus*, or perhaps *hispaniensis*, but *hispaniolensis* never. That adjective must date from a newer era and from a world then unknown.

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ˢ <,*.)-1,5ˢ .915ˢ : /-1*,ˢ 7/233*A .9,ˢ 7/-2,5.ˢ 59,,.ˢ 34ˢ 8/.,-ˢ 1*ˢ ;/1*A 9/5ˢ /73*2ˢ 81.9ˢ .9,ˢ 43-,5.5ˢ /*+ˢ 8/5.,5ˢ .9/.ˢ 43-:,-7>ˢ /+E31*,+ˢ 1.ˢ =,,*ˢ /ˢ 5.-3*2937+ˢ 34ˢ 817+ˢ /*1:/7 714,ˢ 5ˢ ,/-7>ˢ /5ˢ .9,ˢ .91-.,,*.9ˢ <,*.)->ˢ P1*2ˢ /:,5ˢ ˢ /4.,-ˢ 8-,5.1*2ˢ .9,ˢ P1*2+3:ˢ 34ˢ /7,*<1/ˢ 4-3:ˢ .9,ˢ #33-5ˢ /*+ˢ +1?1+1*2ˢ 1.5ˢ </5.7,5ˢ /*+ˢ ,5./.,5ˢ /:3*2ˢ 915ˢ *3=7,5ˢ /*+ˢ 2,*,-/75ˢ 5,7,<.,+ˢ 81.9ˢ 59-,8+ˢ /;;-,<1/.13*ˢ .9,ˢ 7=)4,-/ˢ 43-ˢ 915ˢ ;,-53*/7ˢ 59/-,ˢ 34ˢ .9,ˢ 5;3175ˢ 34ˢ 8/-ˢ 3-ˢ *3.ˢ 3*7>ˢ +1+ˢ .9,ˢ 2-,/.ˢ 7/0,ˢ 81.9ˢ 1.5ˢ 817+ˢ /;;/*/2,5ˢ 43-:ˢ /ˢ .-)7>ˢ -,2/7ˢ 9)*.1*2 +3:/1*ˢ =).ˢ .9,ˢ =-3/+ˢ 7/*+5ˢ 1*.,-?,*1*2ˢ =,.8,,*ˢ .9,ˢ $-/3ˢ 34ˢ /7,*<1/ˢ)77,-/ˢ /*+ˢ .9,ˢ 7/0,593-,5ˢ ;355,55,+ˢ /ˢ 4/=7,+ˢ 4,-.171.>

3-ˢ 51Cˢ <,*.)-1,5ˢ .9,ˢ 7/*+5ˢ /*+ˢ 8/.,-5ˢ 34ˢ 7=)4,-/ˢ =,73*2,+ˢ .3ˢ .9,ˢ ;/*159ˢ -38*ˢ 93)29ˢ =>ˢ ,+1<.ˢ 1*ˢ ˢ L M!ˢ /:,5ˢ ˢ 2-/*.,+ˢ 4-,,ˢ ;)=71<ˢ -129.5ˢ 34ˢ 41591*2ˢ D-,5,-?1*2ˢ 938,?,-ˢ 3*,ˢ 414.9ˢ 34ˢ .9,ˢ </.<9ˢ 43-ˢ -3>/7ˢ)5,ˢ >,.ˢ =3.9ˢ 9,ˢ /*+ˢ 5)<<,,+1*2ˢ :3*/-<95ˢ ,?,-ˢ <3*.1*),+ˢ .3ˢ ,C.,*+ˢ /*+ˢ 1:;-3?,ˢ .9,ˢ /:,*1.1,5ˢ 34ˢ .9,ˢ -38*ˢ /.-1:3*>

ˢ ./.,;/;,-5ˢ 34ˢ /:,5ˢ 5ˢ .1:,ˢ 89,-,ˢ -,4,-,<,ˢ 15ˢ :/+,ˢ .3ˢ .9,ˢ 2/:,ˢ .9,-,ˢ /-,ˢ ,C;-,557>ˢ 5;,<141,+ˢ Vˢ 4ˢ ,,-ˢ 817+ =3/-ˢ 1=,Cˢ 4-/*<371*5ˢ ;/-.-1+2,5ˢ 9/-,5ˢ -/==1.5ˢ 3..,-5ˢ /*+ˢ 817+4387ˢ =,51+,5ˢ .9,ˢ 8,/7.9ˢ 34ˢ 4159ˢ Hˢ 1*ˢ .9,ˢ 7/0,ˢ 1.5,74ˢ 2/1*ˢ :3-,ˢ .9/*ˢ 43)-ˢ <,*.)-1,5ˢ 7/.,-ˢ /*ˢ ,+1<.ˢ 34ˢ <.3=,-ˢ %Lˢ LQ'Lˢ ,C;-,557>ˢ 5;,<141,+ˢ /:3*2ˢ -,51+,*.ˢ 2/:,ˢ Gˢ+,,-ˢ =3/-ˢ 1=,Cˢ /*+ˢ 4-/*<371*Hˢ 38ˢ .9,ˢ 4-/*<371*ˢ /7.93)29ˢ .3+/>ˢ ,C.1*<.ˢ 1*ˢ ;/1*ˢ 15ˢ 0*38*ˢ .3ˢ 9/?,ˢ ,C15.,+ˢ 3*ˢ .9,ˢ #,+1.,--/*,/*ˢ .177ˢ 6)1.,ˢ 81.91*ˢ :3+,-*ˢ .1:,5ˢ /*+ˢ .9,ˢ 3.9,-ˢ /*1:/75ˢ */:,+ˢ :129.ˢ 8,77ˢ 9/?,ˢ /=3)*+,+ˢ 1*ˢ .9,ˢ 817+ˢ 43-,5.5ˢ 34ˢ .935,ˢ +/>5ˢ).ˢ .9,ˢ 5;,<141<ˢ :,*.13*ˢ 34

1=,C‘ " = ‘ 81.9‘ /*‘ 1*.,-?/7‘ 34‘ (!!‘ >,/-5‘ /;;,/-,+‘ 1*,C;71</=7,B 43-‘ 1.‘ 8/5‘ 1*<3*<,1?/=7,‘ .9/.‘ /‘ 817+ 23/.‘ 593)7+‘ ,?,-‘ 9/?,‘ 3<<);1,+‘ .9,‘ 738 7>1*2‘ ‘ 34‘ 7=)4,-/‘ 9,‘ +15<3?,->‘ 34‘ .9,‘ /<.)/7‘ ,C15.,*<,‘ 34‘ 1=,C‘ 1*‘ .9,‘ 51,--/5‘ 34‘ /7,*<1/‘ 938,?,-‘ D/5‘ -,<3-+,+‘ /=3?,‘ ;‘ L(‘ ,C;7/1*5‘ .9,‘ ;/-/+3C‘ /*+‘ /753‘ .9-385‘ 7129.‘ 3*‘ .9,‘ =-,/+.9‘ 34‘ :,+1/,?/7‘ 1+,/5‘ 1*‘ 9)*.1*2 =3)*+/-1,5V 51*<,‘ .9,‘ 1,--/‘ #/-./5‘ 71,5‘ 53 :,‘ 43-.>‘ :17,5‘ 1*7/*+‘ 34‘ 7=)4,-/

>1*2‘ /=3).‘ 5,?,*‘ :17,5‘ 53).9 ,/5.‘ 34‘ /7,*<1/‘ .9,‘ 7/0,‘ 9/5‘ /‘ 8/.,-/-,/‘ 53 :,‘ 43)-.,,*‘ :17,5‘ 73*2‘ =>‘ 51C‘ 3-‘ 5,?,*‘ 81+,‘ 1.5‘ <1-<):4,-,*<,‘ =,1*2‘ 3?,-‘ *1*,‘ 7,/2),5‘ *‘ .9,‘ 53).9‘ 1.‘ 15‘ 59).‘ 344‘ 4-3 :‘ .9,‘ #,+1.,--/*,/*‘ =>‘ /‘ 5.-1;‘ 34‘ ;1*,<7/+‘ +)*,5A .9,‘ +,,;‘ 2-,,*‘ 4371/2,‘ =-30,*‘ 1*‘ ;7,/51*2‘ <3*.-/5.‘ =>‘ 1*.,-?/75‘ 34‘ =/-,‘ 5/*+‘ 43- :1*2‘ 5;7/59,5‘ 34‘ 237+‘ /:1+5.‘ +/-0‘ ?,-+)-,‘ *‘ /77 3.9,-‘ 51+,5‘ .9,‘ 71 :1.5‘ 34‘ .9,‘ 7/0,‘ /-,‘ :/-0,+‘ =>‘ >,7738‘ -,,+5‘ 891<9‘ 4-1*2,‘ 1.5‘ 593-,5

.5‘ 8/.,-5‘ +3..,+‘ 81.9‘ .9,‘ 891.,‘ 5/175‘ 34‘) ‘ ;-,5,*.‘ .9,‘ /;;,/-/*<,‘ 34‘ /‘ 5:77 5,/‘ /‘ -,5,:=7/*<,‘ 891<9‘ 15‘ /<<,*.)/.,+‘ 1*‘ 5.3-:>‘ 8,/.9,-‘ =>‘ .9,‘ 9,129.‘ 34‘ .9,‘ 8/?,5

9,‘ 7/0,‘ <3**,<.5‘ =>‘ </*/75‘ 81.9‘ ?/-13)5‘ /+E/<,*.‘ ?177/2,5B 8917,‘ .83‘ </*/75‘ D ,-1773‘ /*+‘ ,-1773*,.‘ <3::)*1</.,‘ 81.9‘ .9,‘ 5,/‘ .93)29‘ .9,1-‘ :3).95‘ /-,‘ =73<0,+‘ =>‘ 73<05‘ 9,5,‘ 73<05‘ /-,‘ <735,+‘ ,/<9‘ >,/-‘ 4-3 :‘ 3?,:=,-‘ L‘ .177‘ /*)/->‘ LA .9,-,=>‘ -,./1*1*2‘ .9,‘ 8937,‘ 34‘ .9,‘ -1?6- 8/.,-5‘ 4-3 :‘ 1*7/*+‘ 1*‘ 3-+,-‘ .3‘ -/15,‘ .9,‘ 1*.,-13-‘ 8/.,-7,?,7‘ /*+‘ 53‘ 4733+‘ .9,‘ 5)--3)*+1*2‘ -1<,‘ 41,7+5

915‘ /-.141<1/7‘ 1*)*+/.13* R‘ =>‘ +155,:1*/.1*2‘ /77)?1/7‘ :/..,-‘ =-3)29.‘ +38*‘ =>‘ /).):*/7‘ -/1*5‘ 3?,-‘ .9,‘ /+E/<,*.‘ 7/*+5A 9/5‘ 2-,/.7>‘ ,C.,*+,+‘ .9,‘ /-,/‘ 34‘ -1<,<)7.1?/.13*‘ /*+‘ 34‘ <3)-5,‘ ,6)/77>‘ -,+)<,+‘ .9,‘ 3-121*/7‘ 8/.,-5)-4/<,‘ 9,‘ -,5)7.‘ 9/5‘ =,,* *,?,-.9,7,55‘ 1:: ,*5,7>‘ .3‘ /)2:,*.‘ .9,‘ ,*3-:3)5‘ *):=,-5‘ 34‘ 817+4387‘ 891<9‘ 9/+‘ /E8/>5‘ :/+,‘ .9,‘ 7=)4,-/‘ .9,1-‘ 81*.,-‘ 93 :,B 43-‘ *3‘ 433+‘ 15‘ 53‘ /..-/<.1?,‘ .3‘ +)<05‘ /5‘ -1<,‘ 8917,‘ +,5;1.,‘ 1.5‘ -,+)<.13*‘ .9,‘ 8/.,-/-,/‘ 15>,‘ /:;7,

)-1*2‘ .9,‘ +1-,<.‘ .,*)-,‘ 34‘ .9,‘ -38*‘ /77 ./01*2‘ 34‘ 4159‘ 3-‘ 4387‘ 8/5‘ </--1,+‘ 3*‘ 5)=E,<.‘ .3‘ .9,‘ -,2)7/.13*5‘ 34‘ 5)<<,551?,‘ 01*25‘ /*+‘ .9,1-‘ /+:1*15.-/.3-5‘ *<1,*.‘ :,.93+5‘ 34‘ 43871*2‘ 938,?,-‘ 6)/1*.‘ +3‘ *3.‘ <3*<,-*‘ 5‘ /5‘ */.)-/7‘ 915.3-1/*5B =).‘ .83‘ :,.93+5‘ +,5<-1=,+‘ 1*‘ :)7.1.)+1*3)5‘ -,<3-+5‘ .9-38‘ 7129.‘ 3*‘ /7.,-,+‘ <3*+10 .13*5‘ /*+‘ 59/-;,*,+‘ 1*5.1*<.5‘ 9,‘ 41-5.‘ 8/5‘ .3‘ G;)59H‘ .9,‘ 4387‘ =>‘ /‘ 71*,‘ 34‘ =3/.5‘ .38/-+5‘ 5;3-.5:,*‘ 1*‘ <3*<,/7,+‘ ;35.5‘ /:3*2‘ -,,+5

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.9,' +)<05' ,1.9,-' 581: :1*2' <3: ;7/<,*.7>' 43-8/-+' 3-' =-,/01*2' =/<0' 3?,-' .9,' ,*<1-<71*2' 473.177/' 89,*'1*' ,/<9' </5,'7/-2,' *): =,-5' 8,-,' 0177,+' 81.9' <-355=385' 3' <,7,=-/.,' .9,' *); .1/75' 34' 91771;' ' *3' 7,55' .9/*' %!!' =3/.5' 8,-,' 7R9)5',:;73>,+' 9,' 5,<3*+' ;7/*'1*?37?,+';,-5)/+1*2' 935.5' 34' 6)1,.7>';/++71*2'+)<05' .3' 581:' 43-8/-+'1*.3'-,,+=,+5'.9-3)29' 891<9' 81*+1*2' <9/**,75' 9/+'=,,*' <).'/*+' 3?,-' 891<9' *,.5' 8,-,' 5;-,/+

,,+7,55' .3' /++' *,1.9,-' :,.93+' 83)7+' *38/+/>5' 5,-?,' .3' 3).81.' .8,*.1,.9<,*.)->' 817+438+

>' .9,'=,21**1*2' 34' 7/5.'<,*.)->' D/=3).' L&%!' 381*2' .3' .9,' +,5.-)<.13*' 34' 43-,5.5' /*+' -,<7/:/.13*' 34' 7/*+' 43-' 2-/I1*2' 3-' -1<,' <)7.1?/.13*' .9,' =122,-' 2/:,' 9/+' /7-,/+>' +15/;;,/-,+B' =).' .9,' 47129.5' 34' 81*.,-' 8+7+4387' /<.)/77>' 1*<-,/5,+' 1*' ;-3;3-.13*' .3' .9,' ,C.,*+,+' /-,/' 34' -1<,

9,' 7=)4,-/' <3*.1*),+' .3' =,' .9,' ;-3;,-.>' 34' .9,' -38*' 34' ;/1*' 4-3:' L M!' .177' #/>' L' L&QM' 89,*' .9,' 3-.,5' +,<-,,+' /*+' _),,*' 5/=,77/' ' <3*41-:,+'1.5'.-/*54,-,*<,'.3'.9,' ./.,

.' .9,';-,5,*.' +/>' .9,' 5933.1*2' 3*' 7=)4,-/' 15' <3*+)<.,+'3*' ;)-,7>' <3:: ,-<1/7' /*+');.3+/.,' ;-1*<1;7,5' 9,' 8937,' /-,/' 15' :/;;,+'3).'1*.3' 5,<.13*5' 710,'/' <9,55=3/-+' /*+',/<9' <3*51+,-@ /=7,'2)*;35.'D3-' ;' /5'1.'15' </77,+'15' 537+'=>')<.13*

9,5,'5;,<1/77>'5,7,<.,+' ;' *):=,-'.91-.>'/*+'/-,'537+' 43-' .9,',*.1-,'5,/53*' .9,';-1<,5'?/->1*2' 4-3:' iLM!' 43-' 3' L' +38*' .3' /=3).' iQ' 43-' 3' %!

9,5,'.91-.>' G-,5,-?,+' 5./775H' 9/?1*2' =,,*' +15;35,+' 34' 1*' ;)=71<' <3:;,.1.13*' .9,'-,:/1*1*2' :1+ 8/.,-';351.13*5' D43-' 891<9' .9,' <9/-2,' 15' /' +377/-' 3-'.83' ;,-' +/>' /-,'.9,*' /;;3-.13*,+'=>' +-/81*2' 73.5' 1*/77>' 71<,*<,5' /-,' 155),+' /.' /' 4,8' ;,5,./5' .3' 5933.' 4-3:' .9,' 43-,593-,5' 3-' 4-3:' 5:/77' 7/)*<9,5' 5./.13*,+' /:3*3 .9,' -,,+5' /.' 5;,<141,+' 5;3.5' =).' 891<9' .9,' 71<,*5,' :)5.' *3.' 6)1.'+)-1*2' .9,' 5933.1*2

9,' 5):' .9/.' 41*/77>' 417.,-,+' .9-3)29' .3' .9,' ./.,' +)-1*2' 43-.>',/-5' ?/-1,+',.8,,*' 'M!!' /*+' %!!!' ;,5,./5' D5/>' i%!!' .3' i"!!' /' -,<3-+';-1<,' =,1*2' 3=./1*,+'1*' L&Q&' */:,7>' (!!!!' ;,5,./5' 9,' :)*1<1;/71.>' 34' /7,*<1/' 15' 5,,01*2' .3' 3=./1*' .9,' <,5513*' 34' .9,' 7=)4,-/' 4-3:' .9,' ./.,

9,'2)*;35.5')5,+'/-,',1.9,-'41/.=3..3:,+'=3/.5' 891<9' </*' =,' .9-)5.'1*.3' /'59,7.,-1*2'-,,+=,+'B' 3-' 593)7+' *3' <3?,-' =,' /?/17/=7,' 5)*0,*'.)=5' :/50,+' =>'-,,+5'3-' -1<,5./705' 9,';35.5'/-,'41C,+' *3:1*/77>'/.'/'-147,593.' ' ' ' /;/-.A5/>' !!'>/-+5

/4@ □# $%&' (%!)#

,2)7/- 41C,+ 5933.5 ./0, ;7/<, ,?,-> /.)-+/> .9-3)293). .9, 5,/53* 81.9 938,?,- <,-./1* 5 : /77 ,C<,;.13*5 /1 : ,+ ;/-.7> /. 5,<)-1*2 .3 .9, 4387 / ;,-13+ 34 -,5./*+ 6)1,. 3* .9,1- 41-5./--1?/7 /*+ ;/-.7> +), .3 .9, 4,5.1?/75 34 . # /-.1* /*+ . /.9,-1*, =,1*2 ;)=71<+/>5 /*+ 4-, .3 /77

9, 5;,<1,5 34 +)<05 3=./1*,+ 3* 7=)4,-/ +3 *3. +144,- 4-3 : .935, /. /1 : 1,7 * .9,5, +,,;,- 8/.,-5 ;3<9/-+5 /*+ .9, ?/-13)5 +1?1*2 +)<05 /-, : 3-, <3*5;1<)3)5 .9/* 3* .9, 59/7738,- -1<, 58/ : ;5 34 .9, /7+,-,-1/

; ' ' $?

* <3*.-/5. 81.9 .9, 7=)4,-/ D/*+ 81.9 /1 : 1,7 .9, /7+,-,-1/ 15 *3. / */.)-/7 7/233* =). 51 : ;7> .9, /-.141<1/7 1*)*+/.13* 34 -1<, 2-3)*+5 " ; 5)<9 1*)*+/.13* =,1*2 *,<,55/-> 43- .9, <)7.1?/.13* 34 .9/./ 2-/1*

9, -1<, 2-3)*+5 34 .9, /7+,-,-1/ =,73*2 .3 .9, .9-, /+E/<,*. <3 : :)*,5 34),</)77,-/ /*+ 377/*/A 9,7+ 1* / E31*. ;,/5/*. ;-3;-1,.3-591; 9, 4733+1*2 34 .9, ; 8/5 <3 : :,*<,+ 1* L&M! .9, 3-121*/7 3=E,<. =,1*2 .9, <)7.1?/.13* 34 -1<, <3 : =1*,+ 81.9 .9, ./01*2 34 817+4387 1* *,.5 . 8/5 938,?,- ,/-7> 5,,* .9/. .9, ,*3- : 3)5 6)/*.1.1,5 34 817+ +)<05 /..-/<.,+ .3 .9, 5;3. 8,-, 34 /7 : 35. ,6)/7 ?/7), 81.9 .9, 2-/1* <-3; /*+ .9, 4/ : , 34 .9, /7+,-,-1/ /..-/<.,+ .-33;5 34 5;3-.5 : ,* 4-3 : /77 ;/-.5 34 ;/1* 915 1*47)C 43- 53 : ,>,/-5 .9, 73</7 /).93-1.1,5 ,*+,/?3)-,+ .3 <9,<0 81.9 / ?1,8 .3 5,<)-1*2 .9, 5;3-. 43- 73</7 -,51+,*.5A 893 => .9, 8/> 8/*.,+ .3 ,*E3> .915 233+ .91*2 /. .9, ;-1<, 34 / +377/- / >,E1- X * L&&! 1. 8/5 +,<1+,+ .3 ;).); .3 /)<.13* .9, +1474,-,*. 5933.1*2 ;35.5 3- ; 81.93). /*> -,5.-1<.13*

9, 8937, 34 .9, ; /-, /<<3-+1*27> +1?1+,+ 1*.3 +,41*,+ 5,<.13*5 </77,+ ; ,/<9 ;,-9/;5 M! 3- Q! >/-+5 56)/-, 43- : 1*2 -3)297> /5 1. 8,-, / 212/*.1< <9,55=3/-+ .93)29 .9, ?/-13)5 ; /-, 6)1., 1--,2)7/- 1* 59/;, /*+ 51I, 71,5, /-, 537+ => ;)=71< /)<.13* /. / 41C,+ +/., 9, =,5. ;351.13*5 -,/715, /5 :)<9 /5 5/> i&! .3 iL!! 7/-2, -,*./7 15 .9)5 3=./1*,+ >,/-7> 53 : , ?177/2,5 -,<,1?1*2 /5 :)<9 /5 Q!!! +377/-5

1*<, .9, 8937, 5933.1*2 /-,/ 15 .9,1- <3 : :3* ;-3;,-.> ,?,-> ;,/5/*. /*+ ?177/2,- 15 ;,-53*/77> 1*.,-,5.,+ 1* .9, ?/7), /*+ 5)<<,55 34 .9, 5933.1*2 /*+ ,/<9 .9)5 =,<3 : ,5 ?1-.)/77> / 2/ : ,

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0,,;,-' ,*<,' .-,5;/55' 15' 1:;3551=7,')-1*2' /).):*' /*+');' .3' .9,' 41-5.' 5933.' *,?,-' /' 9):/*' 43-:' 1*.-)+,5');3*' .9,' +,5,-.,+' -1<, 2-3)*+5'B /*+' .9,' ,*3-:3)5' /55,:=7/2,5' 34' 817+4387' 891<9' /.' .9/.' 5,/53*'<3*2-,2/.,'.9,-,3*' ,*13>')*1*.,--);.,+';,/<,' /*+' 5,<)-1.>');' .3' :1+ 3?,:=,-' #3-,' 4/?3)-/=7,'<3*+1.13*5' 1.' 15' 1:;3551=7,' .3' <3*<,1?,A 3*' .9,' 7=)4,-/' 43-' ,C/:;7,' .9,' 4387' /-,'71/=7,' .3' <3*5./*.'+15.)-=/*<,'=>';/551*2'=3/.5',<

9,' 41-5.' 5933.' 34' .9,' >,/-' ./0,5';7/<,' /=3).' .9,' +/.,' E)5.' */:,+' 3?,:=,-' LM' /*+' 15' -,;,/.,+',?,->',129.9' +/>' .9,-,/4.,-');' .3' .9,' :1++7,' 34' /*)/->' 89,*' .9,' -1<, 2-3)*+5' /-,' -)*' +->

;3*' .9,' <3:;7,.13*' 34' .9,' /)<.13*' 5/7,5' .9,-,' 15' /**3)*<,+' /' +,41*1.,' +/>' /*+' 93)-' /.' 891<9' D/*+' /.' 891<9' ((' .9,' 7,553-' 15' ;,-:1..,+' .3' ,*.,-' .9,' -1<, 2-3)*+5' 1*' 3-+,-' .3' ;-,;/-,' 915' 59,7.,-' 93)7+' 9,' 3:1.' 3-' *,27,<.' .915' 3;;3-.)*1.>' 9,' 15' *3.' /4.,-8/-+5' /7738,+' .3' .3)<9' 1.')*.17' .9,' /<.)/7' :3-*1*2' 34' .9,' 5933.1*2

1*<,' .9,-,' 2-385' 3*' -1<, 2-3)*+5' *3' */.)-/7' <3?,-' 89/.,?,-' 1.' 15' ,55,*.1/7' .3' ;-,;/-,' 53:,' 43-:' 34' 5<-,,*' 3-' 59,7.,-' /*+' .9,' -,,+5' 3-' 5,+2,5' -,6)1-,+' 43-' .9,' ;)-;35,' :)5.'=,' =-3)29.' 4-3:' ,75,89,-,

<-355' ,/<9' ;' 3-' <3*<,+,+' 5;/,,' 15' ,-,<.,+' /' +3)=7,' 71*,' 34' 5<-,,*5' .83' >/-+5' /;/-.' /*+' </-,4)77>' :/50,+'=>' /' 4-1*2,' 34' -,,+5' 3-' -1<, 5./705' *' .9,' 1*.,-?,*1*2' G'7/*,'H' /-,' 41C,+' .83' 3-' :3-,' 5)*0,*.)=5' 8+1,-,1*' .9,' 5933.,-5' </*' 51.' <3*<,/7,+

/-+7>' 9/5' :1+*129.' 5.-)<0' 3*' .9/.',?,*.4)7' :3-*' .9/*' .9,' 83-7+' 15' /:3?,' 1298/>5' /*+'=>8/>5' 3*' 7/*+' /*+' 8/.,-' /-,' <-38+,+'=>' :3=17151*2' 43-<,5'B /<-355' .9,' +/-0' 81*.,-5' :3?,' 43-.9' 8937,' 56)/+-3*5' 34' =3/.5';)*.5' /*+' 7/)*<9,5',/<9' 3*,' 5.,,-1*2' /' <3)-5,' .38/-+5' 53:,' 4/-/8/>' ;' =537).,' 517,*<,' -,12*5' 3' 7129.5' /-,' /7738,+' /*+' *3' 53)*+' 593<05' .9,' :>5.,->' 34' *129.' 5/?,' .9,' <-,/01*2' 34' ;)*.;37,' 3-' 7/;;1*2' 34' 8R/?,A*3' 9):/*' 53)*+' .9/.' 15' 43-' G' .9,' *129.' 15' 4177,+' 81.9' :)51<'H B .9,' ;/77' 3?,-9,/+' .9,')*5,,*' 8/5.,5' 3*' ,?,->' 51+,' /-,' ?3</7' 81.9' 817+@ 4387' <-1,5' 3*.1*)3)57>' .9,' 5.177' /1-' 15' -,*.' /*+'<7,4.'=>' .9,' -)59' 34' :>-1/+';1*13*5' -3:' -129.' /*+' 7,4.'=,43-,' /*+'=,91*+';/55' 9)-->1*2' 935.5' .9,1-' ?137,*.' 47129.' -,53*/*./5' .9,' 8/59' 34' /*' /*2->' 5,/').' *,?,-' /' 593.' 15' 41-,+' 9/.' 15' /2/1*5.' .9,' -)7,5

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,+ 7,22,+ˢ ;/-.-1+2,5ˢ /=+)*+ˢ .9-3)293).ˢ .9,ˢ 7,*2.9ˢ /*+ˢ =-,/+.9ˢ 34ˢ 817+,-ˢ ;/1*A *3.ˢ /5ˢ /.ˢ 93 :,ˢ 3*ˢ .9,ˢ 3;,*ˢ <3-* 7/*+5ˢ =).ˢ / : 1+5.ˢ .9,ˢ 1*.,- : 1*/=7,ˢ 5<-)=ˢ /*+ˢ =-)59833+ˢ 34ˢ .9,ˢ 91775ˢ /*+ˢ +/7,5ˢ 3*ˢ .9,ˢ : 33->ˢ 8/5.,5ˢ /*+ˢ ;/7 :,..3 <7/+ˢ ;-/1-1,ˢ *ˢ .9,ˢ 7/..,-ˢ 9/-,5ˢ 6)/17ˢ /*+ˢ 7,55,-ˢ =)5./-+ˢ ?/->ˢ .9,ˢ 2/ :,

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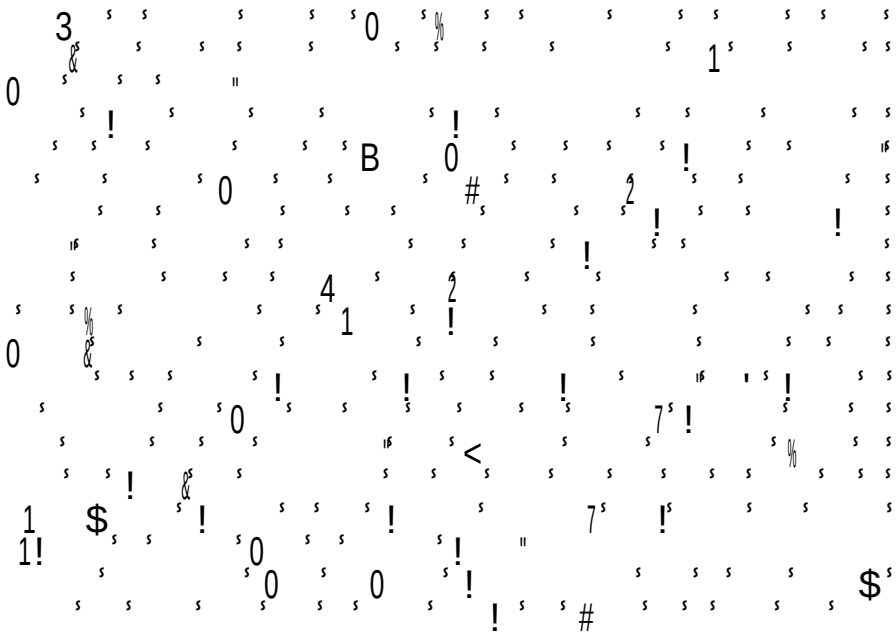
,' 8177' 5,/-<9' 9)*+-,+5' 34' /<-,5' 43-' /' ;-3=7, : /.1</7' 9/-,' /*+' /' 73*2' +/>5' 9)*.' 81.9' 915' .-)5.>' Q ' 15' /:;7>'-,8/-+,+' =>' /' <3);7,' 3-' .83' 34' +1:1*).1?,' -/==1.5' /=3).' 9/74' .9,' 8,129.' 34' 3)-5' =).' 8935,' 5;,,+' ?,-17>' 5./*+5' 1*' 1*?,-5,' -/.13' 3-' .9,' 714,' 34' .9,' ;/*159' -/==1.' 15' ;/55,+' 1*' .9,' :1+5.' 34' /7/-:5B 5);-,:,7>' <3*5<13)5' 34' 53/-1*2',/27,5' /*+' 9/805' 3?,-9,/+' 9,'*,?,-' 81771*27>' 59385' 1*' .9,' 3;,*' =>' +/>7129.' 3-' 14' 43-<,+' .3' 1.' .9,*',--3-' 7,*+5' 81*25' .3' 915' 4,,.' 9,' +,/.9' 34' /' 9/-,' 938,?,-' -,;-,5,*.5' .3' .9,' </I/+3-' .9,' <71:/C' 34' .,--,5.-1/7' .-1):;9' *' .935,' ,<5./.1<' :3:,*.5' .9,' /*1:/7' D/?,-/2,' 8,129.' 7=5' 15' 9,7+' /734.' =>' .9,' 91*+7,25' /' 5)=E,<.' 43-' /+:1-/.13*' /*+' 5,74 2-/.)7/.13*B' :,*./77>' 1.' 15' 8,129,+' /2/1*' /*+' /2/1*' .3' /' <93-)5' 34' 5371736)151*2' ,E/<)7/.13*5' G' $-/*+,' <3:3')*' <91?3' H' d' /5' =12' /5' /' 01+' X

9,' 6)/17' .93)29' ,C.-,:,7>' /=)*+/*.' /.' 1.5';/55/2,5,/53*5' D89,*' 1*' ,;.,:=,-' .9,' ,?/*.,' 3-' 81*+' =7385' 43-' +/>5' .32,.9,-' =73<01*2' .9,1-' .-/*51.' .3' 4-1</' *+/7)<1/' 15' <-/::,+' 81.9' /<<):)7/.,+' 6)/175' >,.' -,;-,5,*.5' =).' 9' 5:/77' :3-5,7' 1*' /' <)71*/->' 5,*5,' /*+' 15' 5814.' 34' 81*2' .3' =33.' ,1.9,-' 34' .9,5,' /..-1=).,5' <3::,*+' 1.5';)-5)1.' .3' 3)-' 4-1,*+' 81.9' .9,' -)5.>' 51*27,' =/--,7B' /*+' 51:17/-' -,/53*5' =,/-' 81.9' 1*<-,/5,+' 43-<,' 3*' .9,' </5,' 34' 5*1;,' 9,5,' 2/:,=1-+5' /-,' 7,4.' 5,?,-,7>' /73*,A .9/.' 15' 81.9' .9,' 2)*



A!&&;8!A -''*)#3)# %!)# //

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9,<3*+1.13*5/=3?,1*+1</.,+;-,?/17 3?,-/?/5.;-3;3-.13*34-)-/7 ;/1*8 91<9.9)5;-,5,*.5 5:/77 /..-/<.13*.3 8/*+,-1*2 2)**,-938,?,-9):=7,915 1+,/75

9,-,/-,3.9,--,213*5 89,-,.9,7/*+38*,-5.93)29 1* *3 5,*5,4;-,5,-?1*2 H >,.;-391=1.4-,,,*.->3*.9,1-;-3;,-.1,5 381*2.3 +/:/2,+3*,A 5)<9 /5 +15.)-=1*2 5.3<0 5./:;,+1*2 </..7,3* .3 <)7.1?/.13*1* /7/*+89,-,*3 4,*<,5 ,C15.*/*+53 3*/.)-/77>5)<9 2-3)*+</--1,5:3-,2/:,/*+5)=E,<.3 ;,-:15513*=,1*2-,<,1?,+4/1-/*+53:,.1:,5 ,C<,77,*.5;31 .15 /../1*/=7,9)5 3*3*,5)<9;-3;,->.9,./*27,+8 33+5 34 817+ 371?,/=3)*+81.9 833+<3<0.93)29 +1441<)7.1,5/-,;-,5,*.,+=> .9,1:;,*,.-/=7,<9/-/<.,-34.9,=-1/-=3)*+.91<0,.5 ,-, G-1+,5H<).//*+<7,/-1*25,*7/-2,+6)1.,7/-2,=/25 34 833+<3<0 :129.=,5,<)-,+9,-3)29 5<-)==> 91775/+E31*1*2</-->/4/1- 5.3<0 34;/-.-1+2,/*+8,9/?,34.,* 0177,+43-.>3-414.>5*1;,1* .9,:/-59>?/77,>5.9/.1*.,-?,*,9,43773 81*2 8177 5,-?,/5 /*,C/:;7,34.9-,,<3*5,<).1?,+/>5 5933.1*2 3* 5)<9)*;-,5,-?,+ 2-3)*+D.83 2)*5A 5 /*+ -H

	3?'L%	3?'L(	3?'LM	3./7
1;,)<05/+ ,/7 17+ $,,5,)*+-1,5	L!L %	% "	LMM %	&& L(%
			(	(
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9-,,+/>5 1* ,=-)/->3* 51:17/- 2-3)*+=).1* /*)*4/?3)-/=7,5,/53* >1,7+,+ '"5*1;,M 833+<3<0 L" 237+,* ;73?,-5 %7,55,-=)5./-+/9/-,/*+/4,8 5)*+-1,5

< K " L&"' A 83 +/ " LL'5*1;,'D:35.7>+-1?,*

< K "C LQ L"!(A (6 * 3 +/ LL 5*1E,:/77/-+L <)-7,8

K "C L"'L"!Q A * +/ 'D ! L %5*1;,L :/77/-+M .,/7

□# $%&' (' %!)#

7 1 (1

/551*2' 4-3 :' .9,')5,' 34' .9,' ' 34' 891<9' 8,' 9/?,' *3' ;,-53*/7' ,C;,-1,*<,' 8,' .)-*' .3' .9,' 5>5.,:' ;-/<.15,+' 1*' .9,' $3.3' 3*/*/' ,-,' 8,' /78/>5' 9/?,' .9,' :/-15 :/' =3-+,-1*2' /5' /*' 1*7/*+' 5,/' 3)-' *3-.9,-*' 4-3*./2,' ;3*' .9/.' 4/<.' .9,' 5>5.,:' 0*38*' /5' G' '5' 15' =/5,+

' 71*,' 34' 51C' 3-' ,129.' 2)*5' 81.9' 5)441<1,*.' =,/.,-5' =,.8,,*' /*+' :3)*.,+' 0,,;,-5' 3*' ,1.9,-' 47/*0' D.9,' 8937,' ,C.,*+1*2' 3?,-' 5/>' 9/74 / :17,' 34' 4-3*. ' 15' 43-:,+');' /.' /' +15./*<,' 34' /' :17,' 3-' .83' 1*7/*+' 4-3 :' .9,' :/-15 :/' *' /+?/*<1*2' 81.9' .9,' 81*25' .9-38*' 43-8/-+' /*+' :3)*.,+' :,*' 501-:1591*2' /9,/+' /' 5;/<,' <3:;-151*2' 9)*+-,+5' 34' /<-,5' 34' 5<-)=' 15' .9)5' ,*<735,+' 9,';/-.-1+2,'-)**1*2' 43-8/-+' /:3*2' .9,' <15.)5' 3-' -151*2' 4/-' =,>3*+' 2)*593.' /-,' 2-/+)/77>' ;)59,+' +38 :' .38/-+5' .9,' 8/.,-' B' .9,*' /5' .9,' /+?/*<1*2' 71*,' /;;-3/<9,5' .9,' :/-15 :/' 81.9' .9,' =,7.5' 34' -)59' /*+' 5,+2,' .9/.' =3-+,-' 1.' .9,' 83-0' =,21*5' 9,' 2/:,')*81771*2' .3' 4/<,' .9,' 8/.,-' ;,-43-<,' <3:,' 581*21*2' =/<0' 3?,-' .9,' 5933.1*2' 71*,' /.)-/77>' 3*' 5,,1*2' ,*<3:;/551*2' +/*2,-' 1*' 4)77' ?1,8' =,91*+' /*+' =/--1*2' .9,1-' -,.-,/.' .9,' ;/-.-1+2,' 5;1*');' 9,/?,*8/-+5A' 9129,-' /*+' >,.' 9129,-' .177' .9,>' 41*/77>' ;/55' 3?,-' .9,' 2)*5' /.' /' 9,129.' /*+' 5;,,+' /*+' 81.9' /' ;-3*3)*<,+' <)-?,' .9/.' ,*5)-,5' .9,' :/C1:)' :' 34' +1441<)7.>' 1*' ,?,->' 593.' 344,-,+

' .915' 41/7' 5./2,' 34' .9,' 3;,-/.13*' 2-38' <3-0 3/05' 8935,' =)70' /*+' ,?,-2-,,*' 4371/2,' /++' 4)-.9,-' <3:;7,C1.>' 43-' .9,' 2)**,-.' 177)5.-/.,5' .9,' ,C,-.13*R' :/+,' =>' .9,' ;/-.-1+2,5' .3' /../1*' /*' /7.1.)+,' /*+' /' 5;,,+' 5)441<1,*.' .3' </-->' .9,:' 5/4,7>' 3?,-' .9,' <7,/-7> 5,,*' +/*2,-' =,738' .9/.' 593)7+' /' =1-+' 891<9' 9/5' 5)<<,,+,+' 1*' .9)5' -)**1*2' .9,' 2/)*.7,.' 9/;;,*' .3' =,' 43)*+' /4.,-' .9,' =,/.' 15' 3?,-' 1.' 8177' 34.,*' =,' .33' ,C9/)5.,+' .3' -15,' /2/1*')<9' .1-,+' =1-+5' /-,' 34.,*' </)29.' =>' .9,' +325

5' :/*>' /5' 51C' 3-' ,129.' ' /5' .9,>' /-,' .,-:,+' :/>' =,' </--1,+' 3).' +)-1*2' /' 81*.,-5' +/>' 9,' 8/701*2' 1*' ;7/<,5' 15' /;.' .3' =,' -3)29' .9-3)29' E)*27,' /*+' =)59 A <91,47>' <15.)5' /*+' -35,:/->' =).' 1*.,-:1C,+' 81.9' .-,,9,/.95' =-33:5' /*+' 23-5,A 1*.,-<,;,.,+' 8+.9' 5.-,.<9,5' 34' 8/.,-' 891<9' :)5.' =,' 8/+,+' 81.93).' 81*<1*2' 43-' 1.' 15' ,55,*.1/7' .9/.' ,/<9' :/*' D2)*' 3-' =,/.,-' :/1E/./1*5' <3--,<.7>' 915' /773..,+' ;351.13*' 1*' .9,' /+?/*<,

/.)-/77>' 1*' /' 5/*+>' 8/5.,' +,?31+' 34' <3-*' 3-' .177/2,' 34' /*>' 01*+' ;/-.-1+2,' </**3.' =,' *):,-)5' 9,>' /-,' :3-,3?,-' 5)=E,<.

A!&&;8!A -''*)#3)# %!)# ///

.3 .,--1=7, ,*, :1,5 1* .9, ,/27,5 01.,5 /*+ 9/8055 34 ,?,->
+,5<-1;.13*8 8917, 7>*C,5 817+ </.5 43C,5 /*+ 3.9,- =,/5.5 34
;-,> ./0, +/17> /*+ *129.7> .3778 .9,* 1* 5;-1*2 .9,1- ,225 /-,
+,?3)-,+ => .9, =12 711/-+5 => 9/--1,-5 : 3*2335, /*+ : /2;1,5
1* .93)5/*+5 , 9/?, -,<,*.7> ,*+,/?3)-,+ .3 1*<-,/5, .9,1-
*) : =,-5 =>2-)==1*2);%!!/<-,5 345<-)= /*+ <)7.1?/.1*2 89,/.
).9,-, /2/1* /.)-,3;;35,5)5 ,,-=-,/0 +38* .9, 4,*<,5
12*3-, 3)- 2)/-+5 /-:,+ 81.9 7/*.,-*5 /*+ =7/*0 </-.-1+2,
.-/ :;7, +38* :3-, .9/* .9,> ,/. /*+ .9, -/==1.5 41*159 .9,
-,5.X #3-,3?,- 1* 8,. 5,/53*5 .9, 2-3)*+ 15 4733+,+ .9,
<-3;5 +,5.-3>,+8 8917, 14 .33 +-> .9, 5,,+ 8177 *3. 2,-:1*/.,
/*+ /77 .9, .1:, .9,)*0177/=7, =-)59833+ <3:,5 /*+ <3:,5
/2/1*

3-.> 3- 414.> =-/<, -,;-,5,*. /?,-/2, +/>58 .93)29 1. 15 4/1-
.3 /++ .9/. .9,>/-,=). 4,8 893 4)77> /?/17 .9, 47,,.1*2 3;;3-@
.)*1.1,5 /. .935, =/<0 58,-?1*2 +3.5 1* .9, 50>

9, <15.)5 ;7/1*5 /=3)*+ 81.9 -/==1.5 *, 5,,5 .9,: =>
5<3-,5 : 3?1*2 /9,/+ =). E)5.=,>3*+ 2)*593. -/*2, 891<9 .9,>
</7<)7/., .3 / *1<,.> .9,-5 +/-. 4-3 :)*+,-433. .3 +15/;;,/-
1* /* 1*5./*. 1* .9, <3?,- ,8 /-, 593. 8917, 8/701*28 =).
53 :, ;-,..> 5;3-. 15 3=./1*/=7, => 593-. +-1?,5 5/> / 6)/-.,-
:17, 9, 71*, 34 0,,;,-5 /*+ =,/.,-5 -1+, -3)*+ .3 81*+8/-+
,*<1-<71*2 53 :, 8,77 5.3<0,+ =)59 .9,* 5738 7> /*+ *31517> 81.9
4-,6),*. 9/7.5 /+?/*<, +38* 81*+A .9, -/==1. 15 /5 5)5<,;.1=7,
34 5<,*. /5 / +,,- # ,/*8917, .9, +325 /-, 9/?1*2 /-/-/-, .1:,
34 1. 9)5.71*2 .9, =)**1,5 43-8/-+ 9, 2)*5 /-, ;7/<,+ ,/<9 .3
<3: :/*+ 53 :, <7,/- 5;3. 43- 89,-, 5<-)= 2-385 .91<0 *3.91*2
</*= ,5,,* :3:,*./-> 271 :;5, 15 /77 3*, 2,.5 /*+ 5*/;@
5933.1*2 ,55,*.1/7 9, :35. 4/?3)-/=7, 5;3.5 /-, 89,-, / 5.-1;
34 3;,* 2-3)*+ 71,5 1: :,+1/.,7> =,91*+ .9, 2)*5 9, -/==1.5
4/1-7> 47> .915 / +31,* /. / .1:, /*+ /. 5;,,+ .9/. 5)22,5.5
53 :, 3*, 9/?1*2 5, .41-, .3 .9,1-./175

*+/>5 34;9,*3:,*/7 =/25 3)- ;/*159 .3./75 -,/+ 9):=7,
,*3)29 , 4-,6),*.7> 0177 / 9)*+-,+ 3- :3-, -/==1.5 1* .83
3- .9-, 593-. +-1?,5 =,51+,5 5)<9 ;/-.-1+2, /5 :/> /753 9/?, =,,*
,*<735,+ ,-, / 8937, +/> +,?3.,+ .3 -/==1.5 /73*, :)<9
2-,/.,-*) :=,-5 83)7+ 34 <3)-5, -,5)7.).9/?1*2)DB9?/-1,.>
34 -,53)-<, /. +15;35/7 D.3 5/> *3.91*2 34 +1441<)7.> 1* +15;351*2

□# $%&' (‘ %!)#

34‘ 7/-2,‘ 6)/*.1.1,5 ‘ .9,‘ $ ‘ -/-,7>‘ -,<,1?,5‘ :3-,‘ .9/*‘ /*‘ 93)-‘ 3-‘ .835‘ /..,*.13*

/-,5‘ >' ‘ ‘ <3: :3*‘ /77‘ 3?,-‘ ;/1*‘ /-,‘ -/.9,-‘ :3-,‘ *): ,-3)5‘ 1*‘ .9,‘ :/-15:/‘ .9/*‘ 3*‘ .9,‘ +-1,-‘ 2-3)*+5‘ 9,>‘ 9/?,‘ 1*+,,+‘ +,?,73;,+‘ 5, :1/6)/.1<‘ 9/=1.5‘ 1*‘ .1: ,5‘ 34‘ 4733+‘ 581: :1*2‘ 4-,,7>‘ 4-3:‘ 157/*+‘ .3‘ 157/*+‘ /*+‘ :/01*2‘ /-=3-,/7‘ G‘ 43-:5‘ H‘ 1*‘ .9,‘ 9/74 5)=:,-2,+‘ 5/:;91-, =)59‘ 93)7+‘ .9,‘ 8937,‘ =,<3:,‘ 5)=:,-2,+‘ .9,‘ 9/-,5‘ =,./0,‘ .9, :5,7?,5‘ .3‘ .9,‘ :/1*‘ 593-,‘ /*+‘ 3*‘ 5)<9‘ 3<</513*5‘ 81.9‘ .83‘ 2)*5‘ 8,‘ 9/?,‘ 593.‘ /‘ +3I,*‘ 3-‘ 53‘ 3*‘ /‘ +-1?,‘ 9,5,‘ 5:/77‘ ;/*159‘ 9/-,5‘ /-,‘ :/-?,7@ 73)57>‘ 47,,.‘ 34‘ 433.‘ ,5;,<1/77>‘ 89,*‘ /*‘ /7:35.‘ ,6)/77>‘ 47,,. 433.,+‘ ‘ 15‘ 1*‘ 4)77‘ <9/5,‘ 3?,-‘ 2-3)*+‘ /5‘ 47/.‘ /*+‘ =/-,‘ /5‘ /‘ =3871*2 2-,,*

‘ .9,5,‘ 9/-,5‘ .9,‘ 4, :/7,5‘ /-,‘ 7/-2,-‘ /+‘ 2-,>,-‘ 1*‘ <373)-‘ .9/*‘ .9,‘ :/7,5‘ 9,1-‘ 1-1+,5‘ /-,‘ >,7738‘ 81.9‘ /‘ 5:/77‘ ;);17‘ 89,-,/5‘ 1*‘ .9,‘ :/7,‘ .9,‘ ,>,‘ 15‘ 9/I,7‘ /*+‘ .=,‘ ;);17‘ 7/-2,‘ 9,‘ 4)-‘ 34‘ .9,‘ 7/..,-‘ 15‘ =-129.‘ <9,5.*).‘ 1*‘ 9),‘ ,5;,<1/77>‘ 3*‘ 91*+6)/-.,-5‘ /*+‘ 7,25‘ 891<9‘ 4-,6),*.7>‘ 5938‘ 1--,2)7/-‘ 5;7/59,5‘ 34‘ 891.,‘ 9,‘ 738,-‘ ;/-.5‘ /-,‘ ;)-,5.‘ 891.,‘ /*+‘ /73*2‘ .9,‘ <7,/*<).‘ 71*,‘ 34‘ +,:/-</.13*‘ .9,‘ <373)-‘ <3*.-/5.5‘ /-,‘ .9,‘ 5.-3*2,5.‘ 3*2‘ 417:@ 710,‘ 9/1-5‘ 2-38‘ 4/-‘ =,>3*+‘ .9,‘ 3-+1*/->‘ 4)-‘ 3*‘ .9,1-‘ =3+1,5‘ /*+‘ .9,‘ ./175‘ /-,‘ 73*2,-‘ /*+‘ </--1,+‘ 9129,-‘ .9/*‘ 1*‘ 3)-‘ -1.159‘ 5;,<1,5

: 1 ‘ ‘ * ‘ (‘ ‘ 0 "‘ !! ‘ # / 8‘ %!‘ L"!&‘

/7,5‘ ‘ ‘ D8‘ (E‘ (R‘ 7=5‘ +,/+8,129.
,:/7,5 (4 MR‘ MR‘ M[‘ 7=5‘ +,/+8,129.

: 1 ‘ -‘ (‘ ‘ @ ‘ ‘ /‘ !

,*‘ <3);7,5 %‘ %‘ %‘ % ‘ %7‘ %L‘ %[‘ 7=5‘ <7,/*

9,5,‘ -/==1.5‘ +144,-‘ 4-3:‘ .9,‘ 93:,=-,,+‘ *3.‘ 3*7>‘ 1*‘ .9,1-‘ 5:/77,-‘ 511,‘ =).‘ 1*‘ .9,‘ <37+,-2-,>‘ 34‘ .9,1-‘ 4)-‘ /*+‘ 7/-2,‘ .-/*5;/-,*.‘ ,/-5

1.9,-.3‘ 5933.1*2‘ 30,-‘ 2-,/.‘ /-,/5‘ 34‘ -)-/7‘ ;/1*‘ 9/5‘ =,,*‘ ;-/<.15,+‘)*+,-‘ <3*+1.13*5‘ /=537).,7>‘ */.)-/7A /7:35.‘ ;-15.1*,‘ 9,‘ 2/:,‘ 3*‘ :3)*./1*‘ :33-‘ 3-‘ :/-59‘ 15‘ *3.‘ 3*7>‘ 4-,,‘ .3‘ /*>‘ 9)*.,-‘ 893‘ ;355,55,5‘ .9,‘ 50177‘ .3‘ </;.)-,‘ 1.‘ =).‘ 1.‘ 15‘ 7,4.‘ .3‘ 41)B9.‘)*/1+,+‘ 1.5‘ 5.-)227,‘ 43-‘ ,C15.,*<,‘ /2/1*5.‘ 935.5‘ 34‘ ,*, :1,5‘ 4,/.9,-,+‘ 4)--,+‘ /*+‘ 5</7,+‘ .9,‘ 710,‘ 34‘ 891<9‘ 9/5‘ *3‘ ,6)1?/7,*.‘ 1*‘ 3)-‘ <-38+,+‘ 157,5B‘ /*+‘ 891<9‘ 83-0‘ .,--1=7,‘ 9/?3<‘ ,/<9‘ 1*‘ 1.5‘ 38*‘ 8/>‘ /:3*2‘ .9,‘ :17+,-‘ :,:=,-5‘ 34‘ <-,/.13*‘ 9,‘ ;-,5,*<,‘ 34‘ 53‘ :/*>‘ 41,-<,‘ -/;.3-1/75‘ 938,?,-‘ D.93)29‘ 1.‘ -)1*‘ .9,‘ G‘ =/2‘ H

READY TO CAST OFF. THE PACK OF PODENCOS IN COUPLES.

THE DAY'S RESULTS.

ROYAL SHOOTING AT THE PARDO, NEAR MADRID.

#ˢ A!&&;8!A ˢ -''*)#3ˢ)#ˢ %!)#ˢ//0

/++5ˢ 43-ˢ /ˢ */.)-/715.ˢ /*ˢ 1*<3:;/-/=7,ˢ <9/-:ˢ .3ˢ +/>5ˢ 5;,*.ˢ 1*ˢ ;/*159ˢ 817+5ˢ 7/5ˢX .9/.ˢ ,?,*ˢ 9,-,ˢ .935,ˢ ;-15.1*,ˢ <3*+1.13*5ˢ 593)7+ˢ /7-,/+>ˢ /;;,/-ˢ .3ˢ =,ˢ +33:,+ˢ .9/.ˢ ,?,->ˢ 5/?/2,ˢ 5;1-1.ˢ :)5.ˢ =,ˢ 6),*<9,+ˢ .177ˢ *3.91*2ˢ 5/>,ˢ .9,ˢ).171./-1/*ˢ 5)-?1?,X 9,ˢ 4377381*2ˢ *3.,5ˢ 3*ˢ 2/:, ;-,5,-?/.13*ˢ 1*ˢ ;/1*ˢ 1*+1</.,ˢ .9,ˢ =,21**1*2ˢ 34ˢ .9,ˢ <9/*2,

. ˢ 6 ˢ 1 ˢ (' 1ˢ ˢ ˢ ('

$/:, ;-,5,-?/.13*ˢ 1*ˢ .9,ˢ 5.-1<.,-ˢ 5,*5,ˢ 1*ˢ 891<9ˢ 1.ˢ 15ˢ ;-/<.15,+ˢ 1*ˢ *27/*+ˢ 8/5ˢ)*0*38*ˢ 1*ˢ ;/1*ˢ .177ˢ 81.91*ˢ 3)-ˢ 38*ˢ ,/-71,-ˢ +/>5ˢ).ˢ *38ˢ :/*>ˢ 2-,/.ˢ ,5./.,5ˢ >1,7+ˢ =/25ˢ 34ˢ ;/-.-1+2,ˢ .9/.ˢ :/>ˢ <9/77,*2,ˢ <3:;/-153*ˢ 81.9ˢ -,5)7.5ˢ 3=./1*,+ˢ ,75,89,-,

9,.9,-ˢ .935,ˢ -,5)7.5ˢ ,6)/7ˢ .9,ˢ =,5.ˢ 34ˢ .9,ˢ <-/<0ˢ ;/-.-1+2,ˢ :/*3-5ˢ 1*ˢ *27/*+ˢ 3-ˢ *3.ˢ 8,ˢ +3ˢ *3.ˢ 1*6)1-,ˢ .ˢ 15ˢ 1::/7E,-1/7ˢ /*+ˢ 1--,7,?/*.ˢ 3ˢ <3:;/-153*ˢ 15ˢ ,1.9,-ˢ +,51-/=7,ˢ 3-ˢ ;3551=7,ˢ 89,-,ˢ */.)-/7ˢ <3*+1.13*5ˢ /*+ˢ +1441<)7.1,5ˢ +144,-ˢ 4)*+/:,*./77>ˢ).ˢ .9,ˢ -,5)7.ˢ /.ˢ 7,/5.ˢ .9-385ˢ /ˢ -/>ˢ 34ˢ -,47,<.,+ˢ 7129.ˢ);3*ˢ .9,ˢ ,*,-2>ˢ /*+ˢ </;/<1.>ˢ 34ˢ .9,ˢ ;/*159ˢ 2/:,0,,;,-ˢ 893ˢ)*+,-ˢ ,C.-/3-+1*/->ˢ +1441<)7.1,5ˢ 9/5ˢ /1+,+ˢ /*+ˢ ,*/=7,+ˢ 915ˢ ,:;73>,-5ˢ .3ˢ ;-3+)<,ˢ <3*+1.13*5ˢ 891<9ˢ 3*7>ˢ /ˢ 4,8ˢ >,/-5ˢ /23ˢ 83)7+ˢ 9/?,ˢ /;;,/-,+ˢ 1:;3551=7,ˢ .ˢ 593)7+ˢ =,ˢ /++,+ˢ .9/.ˢ .9,5,ˢ ,5./.,5ˢ 891<9ˢ *38ˢ -,/715,ˢ 5)-;-151*2ˢ -,5)7.5ˢ 9/?,ˢ 1*ˢ :35.ˢ 1*5./*<,5ˢ =,73*2,+ˢ .3ˢ 49,ˢ 5/:,ˢ 38*,-5ˢ +)-1*2ˢ 2,*,-/.13*5ˢ .93)29ˢ *3.ˢ .177ˢ .38/-+5ˢ .9,ˢ ,*+ˢ 34ˢ 7/5.ˢ <,*.)->ˢ 8/5ˢ /*>ˢ 5;,<1/7ˢ </-,ˢ =,5.38,+ˢ);3*ˢ .9,ˢ 2/:,

9,ˢ ,5./.,ˢ 34ˢ #)+R7/ˢ 1*ˢ /ˢ #/*<9/ˢ .9,ˢ ;-3;,-.>ˢ 34ˢ .9,ˢ #/-6)15ˢ +,ˢ #)++7/ˢ 3)*.ˢ 34ˢ /7+,7/2-/*/ˢ 5./*+5ˢ)*-1?/77,+ˢ 1*ˢ /ˢ 5;3-.1*2ˢ 5,*5,ˢ .5ˢ ,C.,*.ˢ 15ˢ /;;-3C1:/.,7>ˢ &!!!!ˢ /<-,5ˢ /*+ˢ .9,ˢ 8937,ˢ /=3)*+5ˢ 81.9ˢ -,+7,22,+ˢ ;/-.-1+2,ˢ -/==1.5ˢ /*+ˢ 9/-,5ˢ ˢ +3I,*ˢ <3*5,<).1?,ˢ +-1?1*2 +/>5ˢ</*ˢ =,ˢ ,*E3>,+ˢ ,/<9ˢ 3*ˢ 4-,59ˢ 2-3)*+ˢ /*+ˢ L!!!ˢ ;/-.-1+2,5ˢ /-,ˢ 34.,*ˢ 9,-,ˢ 5,<)-,+ˢ =>ˢ 5,?,*ˢ 2)*5ˢ +-1?1*2ˢ 1*ˢ /ˢ +/>

9,-,ˢ 15ˢ 9,-,ˢ 6)1.,ˢ /ˢ 5:/77ˢ ;-3;3-.13*ˢ 34ˢ <3-* 7/*+ˢ 3-ˢ .177/2,ˢ .9,ˢ 2-,/.,-ˢ ;3-.13*ˢ <3*515.1*2ˢ 34ˢ .9,ˢ -3)29ˢ ;/5.)-/2,ˢ 1*.,-5;,-5,+ˢ 81.9ˢ ;/.<9,5ˢ 34ˢ 5</..,-,+ˢ =-)59ˢ /*+ˢ ;/7:,..3ˢ 891<9ˢ 15ˢ <9/-/<.,-@ 15.1<ˢ 34ˢ 53).9,-*ˢ ;/1*

9,ˢ 2-,/.ˢ -,5)7.5ˢ /<91,?,+ˢ D43-ˢ L!!!ˢ ;/-.-1+2,5ˢ /ˢ +/>ˢ /77ˢ 817+ =-,+ˢ =1-+5ˢ </*ˢ 3*7>ˢ 53ˢ =,ˢ +,5<-1=,+ˢ /-,ˢ +),ˢ .3ˢ 5>5.,:/.1<

□# $%&' (‘ %!)#

;-,5,-?/.13*‘1*<7)+1*2‘.9,‘.-/;;1*2‘34‘*3C13)5‘/*1:/75‘4)--,+‘3-‘4,/.9,-,+‘/*+‘.9,‘;/>:,*.‘34‘-,8/-+5‘.3‘.9,‘;,/5/*.->‘43-‘,/<9‘*,5.‘9/.<9,+344A1*‘593-.‘=>‘,441<1,*.‘;-3.,<.13*‘34‘.9,‘2/:,‘81.9‘.9,‘+,5.-)<.13*‘34‘1.5‘,*,:1,5‘*‘93.‘+->‘5):::,-5‘1.‘15‘*,<,55/->‘.3‘;-3?1+,‘=3.9‘8/.,-‘/*+‘433+‘.3‘.9,‘2/:,

,C.‘.3‘#)+,7/‘.9,‘:35.‘<,7,=-/.,+‘5;3-.1*2‘;-3;,-.1,5‘1*<7)+,‘.935,‘34‘/<9/-‘/*+‘/E/-E/‘=3.9‘1*‘.9,‘;-3?1*<,‘34‘$-/*/+/‘/*+‘=,73*21*2‘.3‘.9,‘)0,‘34‘/*‘,+-3‘+,‘$/7/.1*38-/5:)7/5‘1*‘.9,‘5/:,‘;-3?1*<,‘=,73*21*2‘.3‘.9,‘3*+,‘+,‘2-,7/‘/*+‘,*.35177/‘.9,‘;-3;,-.>‘34‘.9,‘)0,‘34‘/*.3*/‘1*‘.9,‘;-3?1*<,‘34‘37,+3‘9,-,‘593)7+‘/753‘=,‘*/:,+‘/-/*RI/5‘1*‘.9,‘7/5.*/:,+‘;-3?1*<,‘.9,‘#/-6)15‘+,‘7/‘3--,<177/B‘/*+‘/-/:,I+*‘D‘37,+3‘.9,‘#/-6)15‘+,‘7</*1<,5

.‘#/7;1</‘1*‘37,+3‘.9,‘,5./.,‘34‘.9,‘)0,‘34‘-1+*‘.9,-,‘8,-,‘0177,+‘3*‘.9,‘3<</513*‘34‘/‘?151.‘34‘P1*2‘743*53‘N‘/‘.3./7‘1*‘3*,‘+/>‘34‘LQMM‘9,/+‘D;/-.-1+2,5‘9/-,5‘/*+‘-/==1.5‘34‘8 91<9‘15‘7/E,5.>‘8/5‘<-,+1.,+‘81.9‘Q!!

,‘,C.-/<.‘.9,‘43773 81*2‘4-3:‘.9,‘#/+-1+‘*,85;/;,-‘'‘-‘/*)/->‘‘L"!&‘VA

‘‘‘6‘‘‘E‘‘:‘‘‘

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ˢ # ˢ ˢ ˢ

ˢ 9/?,ˢ *3ˢ -1.159ˢ ,6)1?/7,*.ˢ 43-ˢ .915ˢ 2,*,-1<ˢ .,-:ˢ /;;71,+ˢ 1*ˢ ;/1*ˢ .3ˢ /ˢ 2-3);ˢ 34ˢ <-,/.)-,5ˢ <91,47>ˢ =,73*21*2ˢ .3ˢ .9,ˢ </*1*,ˢ 4,71*,ˢ /*+ˢ?1?,--1*,ˢ4/:171,5ˢ.9/.ˢ+,5,-?,ˢ/ˢ<9/;.,-ˢ.3ˢ.9,:5,7?,5ˢ 9,ˢ ;/*159ˢ83-+ˢ 3 ˢ 1*<7)+,5ˢ.9,ˢ7>*C,5ˢ/*+ˢ817+</.5ˢ 43C,5ˢ :3*2335,ˢ 2,*,.5ˢ =/+2,-5ˢ 3..,-5ˢ /*+ˢ 5)<9ˢ 710,ˢ .ˢ :129.ˢ.9,-,43-,ˢ=,ˢ-,*+,-,+ˢ/5ˢG?,-:1*Hˢ=).ˢ5)-,7>ˢ3*7>ˢ1*ˢ.9,ˢ =,*,?37,*.ˢ5,*5,A/5ˢ1.ˢ8,-,ˢ /ˢ.,-:ˢ34ˢ,*+,/-:,*.ˢ ,ˢ9/?,ˢ ;-,4,--,+ˢ.9,ˢ,C;-,5513*ˢGˢ:1*3-ˢ=,/5.5ˢ34ˢ<9/5,Hˢ.93)29ˢ1.ˢ :/>ˢ =,ˢ3=E,<.,+ˢ.9/.ˢ5)<9ˢ/-,ˢ*3.ˢ1*ˢ4/<.ˢ=,/5.5ˢ34ˢ<9/5,ˢ ,ˢ-,;7>ˢ .9/.ˢ9/-+7>ˢ/*>ˢ817+ˢ/*1:/75ˢ/-,ˢ9/-+,-ˢ.3ˢ5,<)-,ˢ1*ˢ4/1-ˢ<3*.,5.ˢ 3-ˢ :3-,ˢ</;/=7,ˢ34ˢ.,5.1*2ˢ.9,ˢ?,*/.1<ˢ-,53)-<,ˢ34ˢ.9,ˢ9)*.,-

3-ˢ .9,5,ˢ /*1:/75ˢ /-,ˢ=,/5.5 34 ;-,>ˢ /*+ˢ .9/.ˢ 4/<.ˢ /73*,ˢ 1:;71,5ˢ*3.91*2ˢ7,55ˢ.9/*ˢ.9/.ˢ1*ˢ.9,1-ˢ?,->ˢ*/.)-,ˢ/*+ˢ714, 9/=1.ˢ .9,>ˢ:)5.=,ˢ:3-,ˢ<)**1*2ˢ:3-,ˢ/5.).,ˢ.9/*ˢ.935,ˢ3.9,-ˢ<-,/.)-,5ˢ D:35.7>ˢ2/:,ˢ3*ˢ891<9ˢ.9,>ˢ/-,ˢ3-+/1*,+ˢ.3ˢ5)=515.ˢ #3-,3?,-ˢ =,1*2ˢ*3<.)-*/75ˢ.9,1-ˢ5,*5,5ˢ34ˢ5129.ˢ5<,*.ˢ/*+ˢ9,/-1*2ˢ/77ˢ4/-ˢ ,C<,,+ˢ3)-ˢ38**ˢ/*+ˢ.9,>ˢ;355,55ˢ.9,ˢ,*3-:3)5ˢ/+?/*./2,ˢ.9/.ˢ .9,>ˢ5,,ˢ,6)/77>ˢ8,77ˢ1*ˢ.9,ˢ+/-0

17+ˢ ;/1*ˢ81.9ˢ9,-ˢMQˢ;,-ˢ<,*.ˢ34ˢ+,5,-.ˢ3-ˢ5;/-5,7>ˢ;,3;7,+ˢ -,213*5ˢ15ˢ /ˢ ;/-/+15,ˢ43-ˢ;-,+/.3->ˢ<-,/.)-,5A/710,ˢ.9,ˢ4)--,+ˢ /*+ˢ.9,ˢ4,/.9,-,+A/*+ˢ ˢ /=3)*+ˢ89,.9,-ˢ1*ˢ.9,ˢ=)59ˢ /*+ˢ5<-)=ˢ34ˢ9,-ˢ.3--1+ˢ;7/1*5ˢ3-ˢ/:1+ˢ.9,ˢ9,/?1,-ˢE)*27,ˢ34ˢ9,-ˢ :3)*./1*-/*2,5

):,-3)5ˢ/5ˢ.9,>ˢ/-,ˢ>,.ˢ.9,5,ˢ*129.-3?,-5ˢ-/-,7>ˢ<3:,ˢ1*ˢ ,?1+,*<,ˢ)*7,55ˢ3*,ˢ23,5ˢ,C;-,557>ˢ1*ˢ5,/-<9ˢ34ˢ.9,:ˢ *ˢ-,2)7/-ˢ 5933.1*2ˢ81.9ˢ3-2/*15,+ˢ;/-.1,5ˢ.9,>ˢ/-,ˢ:3-,ˢ3-ˢ7,55ˢ12*3-,+ˢ3-ˢ -/.9,-ˢ.9,>ˢ;/55ˢ)*5,,*ˢ.9-3)29ˢ.9,ˢ71*,5ˢ:3?1*2ˢ53ˢ517,*.7>ˢ /*+ˢ5.,/7.917>ˢ/*+ˢ/78/>5ˢ<93351*2ˢ.9,ˢ.91<0,5.ˢ<3?,-.ˢ 1.9

□# $%&' (‘ %!)#

2)*5‘ 4-3:‘ L!!‘ .3‘ !!‘ >/-+5‘ /;/-.‘ /*+‘);8/-+5‘ ,/<9‘ 1*.,*.‘ 3*‘ .9,‘ 7/-2,-‘ 2/:,‘ .9,‘ 5,<-,.1?,‘ ‘ ,/517>‘ 2,.‘ .9-3)29‘ A 1*+,,+‘ 837?,5‘ /*+‘ ,?,*‘ =12‘ =3/-5‘ .93)29‘ .9,‘ <-/59‘ 34‘ =-)59833+‘ :/>‘ =,‘ 9,/-+‘ 34.,*‘ ;/55‘)*5,,*

#/*>‘)*<3*?,*.13*/7‘ +/>5‘ 9/?,‘ .9,‘ /).93-5‘ ,*E3>,+‘ 1*‘ ,C;-,55‘ ;)-5)1.‘ 34‘.9,5,‘0,,* ,>,+‘<-,/.)-,5A</77‘.9,:‘?,-:1*‘14‘ >3)‘ 8177‘ 9,-,‘/-,‘43)-‘:,.93+5‘891<9‘8,‘9/?,‘43)*+‘,44,<.1?,‘V

L‘ 93-.‘ +-1?,5‘ 34‘ 1*+1?1+)/7‘ E)*27,5‘ 89,-,‘ 5)441<1,*.‘ 3;,*‘ 5;/<,5‘ 3<<)-‘.3‘7,,8/-+‘.3‘,*/=7,‘.9,‘2/:,‘.3‘=,‘5,,*

‘ 3*2‘+-1?,5‘34‘,C.,*51?,‘E)*27,5‘<3*?,-21*2‘3*‘2)*5‘;7/<,+‘ /.‘;31*.5‘.9/.‘,1.9,-‘<3::/*+‘.9,‘;-3=/=7,‘71*,5‘34‘-,.-,/.‘3-‘ <3?,-‘53:,‘3.9,-‘4/?3)-1.,‘-,53-.‘89,-,1*‘.9,‘6)/-->‘15‘710,7>‘.3‘ 5,,0‘-,4)2,

%‘ /771*2A1*‘ ;/*159‘ 1

(‘ /.<91*2‘ /.‘ +/8*‘ 3-‘ +)50‘ ,1.9,-‘ 81.9‘ 3-‘ 81.93).‘ /‘ G+-/2H

L‘ 9,‘41-5.‘;7/*‘15‘34‘<3)-5,‘.9,‘51:;7,5.B=).‘1.‘:)5.‘=,‘ =3-*,‘1*‘:1*+‘.9/.‘.915‘15‘,55,*.1/77>‘<735,6)/-.,-5‘83-0A9,*<,‘ .9,‘).:35.‘517,*<,‘15‘*,<,55/->‘ 3-5,5‘:)5.‘=,‘;1<0,.,+‘/.‘7,/5.‘ /‘:17,‘=/<0‘43-‘.9,‘<7/*0‘34‘9334‘3*‘-3<0‘3-‘.9,‘<7/591*2‘34‘.9,‘ =)<0,.710,‘;/*159‘5.1--);5‘1*‘=)59‘8177‘/8/0,*‘,?,*‘/‘+3-:3)5,‘ 77‘;-3<,,+‘3*‘433.B/*+‘.9,‘8937,‘;7/*‘9/?1*2‘=,,*‘/--/*2,+‘ =,43-,9/*+‘*3.‘/‘83-+‘*,,+‘*38‘=,‘5;30,*‘,/<9‘2)*‘./01*2‘ 915‘/773..,+‘;7/<,‘1*‘517,*<,‘ $)*5‘:/>‘=,‘/54/-‘/5L!!‘>/-+5‘/;/-.‘ D51*<,‘:3)7+593.‘15‘,41,<.1?,‘);‘.3‘*,/-7>‘.9/.‘-/*2,‘/*+‘,/<9‘ :/*‘593)7+‘5./.13*‘91:5,74‘73301*2‘1*.3‘.9,‘=,/.‘53‘/5.3‘<3::/*+‘ .9,‘1*.,-?,*1*2‘G3;,*5H‘8917,‘91:5,74‘/=537).,7>‘<3*<,/7,+‘ /*+‘5.177‘/5‘/‘5.3*,‘23+‘51*<,‘9,‘15‘*38‘<3:;,.1*2‘81.9‘53:,‘34‘ .9,‘0,,*,5.‘,>,5‘3*‘,/-.9‘ 77‘.9,‘</.5‘:3-,3?,-‘<3:,‘3*‘53‘ 5.,/7.917>‘:/01*2‘23347‘.9,1-‘/+?/*<,‘>/-+‘=>‘>/-+‘.9/.‘6)1.,‘ ;3551=7>‘/‘2-,/.‘./8*>‘7>*C‘:/>‘=,‘<3377>‘5)-?,>1*2‘>3)-‘;351.13*‘ ,-,‘>3)-‘,>,‘9/5‘</)29.‘.9,‘57129.,5.‘:3?,:,*./9,/+

3.91*2‘,:;9/515,5‘.9,‘/:/11*2‘5.,/7.9‘34‘.9,5,‘517,*.‘ <-,/.)-,5‘:3-,‘.9/*‘5)<9‘1*<1+,*.5‘V‘89,*‘5)++,*7>‘>3)‘41*+‘ 81.91*‘.8,*.>‘>/-+5‘/‘817+‘=,/5.‘5./*+1*2‘*,/-7>‘.83‘4,,‘/.‘ 593)7+,-‘57387>‘/;;-3/<91*2‘.9-3)29‘6)1.,‘.91*‘=)59B‘938‘1*‘ 83*+,-5*/:,‘+1+‘1.‘2,.‘53‘*,/-‘)*5,,*‘F‘ 3C,5‘/5‘/‘-)7,‘<3:,‘ =)*+71*2‘/73*2‘81.9‘4/-‘7,55‘;-,</).13*‘/*+‘*3‘5)<9‘?1217/*.‘7330@ 3).‘/9,/+‘.93)29‘.9,>‘8177‘1*5./*.7>‘+,.,<.‘.9,‘7,/5.‘

&)A!#!+

1*' 4-3*.' ' 43C' 8177' 34.,*' /;;,/-' 53' +,,;' 1*' .93)271.' /5' .3' =,' /=537).,7>' .9)*+,-5.-)<0' 89,*'9,'41*+5' 91:5,74' 4/<,' .3' 4/<,' 81.9' /' 2)*' /.' 51C' >/-+5' +15./*<,' *' +1-,5.' <3*5.,-*/.13*' 9,' 4/1-7>' =3)*+5' /-3)*+' +,5<-1=1*2' /' <3:;7,.,' <1-<7,' 34'4)-'B 89,-,/5' /' </.' 1*' 710,' <1-<):5./*<,' :,-,7>' +,47,..5' 9,-' <3)-5,' 81.9' <337,5.' +,71=,-/.13*' /*+' *,?,-' /' 512*' 34' /7/-:' 3-' 1*<-,/5,' 34' 5;,,+').' 81.91*' 51C' :3-,' >/-+5' 59,' 8177' 9/?,' ?/*159,+' 4-3:' ?1,8 A <3?,-.' 3-' *3*,' +,;.5' /77' /-,' .9,' </.5' /710,' 1*' /;;,/-1*2' 3*,' 0*385' *3.' 89,*<,' /*+' 1*' +15/;;,/-1*2' 3*,' 0*385' *3.' 938

3*+,-' 23,5' /' 43C' 57387>' .-3..1*2' /73*2' =,738' .9,' <-,5.' 1*' 915' 5,74 5)441<1,*.' *3*<9/7/*.' 5.>7,' 15');5./*+1*2' 4)-' 73*2' =)59>' =-)59' /*+' 58377,*' *,<0' /;;,/-' .3' +3)=7,' 915' =)70' /*+' 7,*+' 91:' 6)1.,' /*' 1:;351*2' 412)-,').' 7,.' /' -147,=/77' 51*2';/5.' 915' ,/-5' 3-' +/59');' /'<73)+' 34' .9,' 5/*+' =,738 A 89/.' /'.-/*543-:/.13*X *,' 9/-+7>' *38' -,<32*15,5' .9,' 73*2' 7,/*' 5.-,/0' .9/.' 891;5');' /*+' 3?,-' .9,' -1+2,

' 9/*+53:,' .-3;9>' 15' .9,' ;/*159' 7>*C' ,5;,<1/77>' .935,' :3-,' =-129.7>' <373)-,+' ,C/:;7,5' 5;/-5,7>' 5;3..,+' 81.9' =12' =7/<0' 5;73.<9,5' /--/*2,+' :3-,' 3-' 7,55' 1*' 1*.,--);.,+' 71*,5' 9,' ,/-' .)4.5 A 1*+,,+' 1*' /+)7.5' .9,' ,C.-,:,' .1;5' 34' .9,' ,/-5' .9,:5,7?,5 A' ;31*.' 1*8/-+5' /*+' =/<08/-+5B' /*+' .9,' */--38' 1-1+,5' /-,' ;/7,' >,7738' D=,.8,,*' 7,:3*' /*+' 9/I,7' .9,' ;);17' =,1*2' 4)77' -3)*+' /*+' =7/<0' *,/-7>' 41771*2' .9,' <1-<7,' *' .9,' 817+</.' .9,' ;);17' 15' /' .91*');-129.' 5,.' 1*' /' <-),7' ;/7,2-,,*' 1-15

,' 9/?,' .-1,+' ' /5' /' :,/*5' 34' 5,<)-1*2' .9,' 5:/77,-' ' 5)<9' /5' :3*2335,' =).' 1.' 15' 5,7+3:' /' .91<0,.' 3-' ' </*' =,' 53' <3:;7,.,7>' 1537/.,+' /5' .3' 7,/?,' *3' 71*,' 34' ,5</;,' 9,' /*1:/75' :3-,3?,-' /-,' /5.).,' ,*3)29' .3' -,.1-,')*+,-' <3?,-' 34' .9,' <73)+5' 34' 5:30,' .9/.' -377' /8/>' .3' 7,,8/-+

' " ' ? ",C.,*+1*2' 3?,-' 5/>' /' <3);7,' 34' :17,5' 34' =-)59@ 833+' D891<9' :/>' <3*./1*' 9/74/+31,*';/.<9,5' 34' .91<0,-' E)*27,' /77' 5,;/-/.,' 21?,' 81+,' 5<3;,' 43-' 50177,+' 41,7+<-/4.' /*+' +,:/*+' *3' 5:/77' 73</7' 0*387,+2,' 9,' 41-5.' ,55,*.1/7' 15' G' /*' ,>,' 43-' /' <3)*.-> H' 9,-,' /-,' :,*' .3' 893:' .915' 4/<)7.>' 15' +,*1,+' B 53:,' 5,,:' 1*</;/=7,' 34' /<6)1-1*2' 1.' .9,-5' /2/1*' /;;,/-' <3--,<.7>' .3' +1/2*35,',?,*' /' +1441<)7.' <3)*.->' 81.9' 1.5' <9/*<,5' /7:35./.' /' 41-5.' ,C;,-1,*<,' 9,' 4/?3)-,+' 9/)*.5' 34' 2/:,' .32,.9,-' 81.9' .9,1-' /<<)5.3:,+' 71*,5' 34'-,.-,/.89,*' +15.)-=,+' :)5.' =,' 5.)+1,+' /<9' +/>' .93)29',*2/2,+' 3*' 3.9,-' ;)-5)1.' 3*,5',>,' 593)7+' =,' -,/+1*2' .935,' 7,553*5' .9/.' /-,' 8-1..,*' 1*' G' 5;33- H' /*+' *3.1*2',/<9

PRA □# $%&' (‘ %!)#

<3 : : /*+1*2‘ ;31*.‘ /*+‘ 5/71,*.‘ /*27,‘ 3-‘ 3.9,-‘ 73</7‘ G /+?/*./2,H‘ 1*‘ .9,‘ .,--/1*

)<9‘+-1?,5‘ *,<,55/-17>‘ 3<<) ;>‘ : 3-,‘ .1 : ,B‘ : 3-,3?,- .9,‘ ;-,<15,‘ 71*,5‘ 34‘,*.->‘ /73*2‘ 891<9‘ 2/ : ,‘ : />‘ / ; ;-3/<9‘ /-,‘ 7,55‘-,5.-1<.,+A‘ 9,*<,‘ 4377385‘ /*‘ ,?,*‘ 2-,/.,-‘ +, : /*+‘ 3*‘ .9/.‘ ?1217/*<,‘ /7-,/+>‘ , : ;9/515,+‘).‘ .3‘ .9,‘ 9)*.,-‘ .9,‘ : ,*./7‘ 2-/.141</.13*‘ .9,‘ 5,*5,‘ 34‘+3 : 1*13*‘ /<91,?,+‘ 15‘ / : ;7,‘-,8/-+‘ 89,*‘ 915‘ +,,; 7/1+‘ ;7/*5‘ 5)<<,,+‘ /*+‘ 89,*‘ /73*2‘ 3*,‘ 3-‘ : 3-,‘ 34‘ 915‘ / : =)59,+‘ 71*,5‘ .9,‘ <)**1*2‘ </-*1?3-/,‘ ;)-5),‘ /*‘)*5)5;,<.1*2‘ <3)-5,

/.)-,‘ 9,-5,74‘ : />‘ /5515.‘ =>‘ 512*5‘ 891<9‘ 5,.‘ .9,‘ ,C;,<./*.‘ 9)*.,-‘ >,.‘ : 3-,‘ 1*5./*.7>‘ /7,-.‘ ‘ +15./*.‘ 01.,‘ 5)++,*7>‘ 58,-?1*2‘ 3-‘ <9,<01*2‘ 1.5‘ 47129.‘ 9/5‘ 5,,*‘ ‘ 9,‘ <9/..,-1*2‘ 34‘ /‘ =/*+‘ 34‘ : /2;1,5‘ : />‘ 3*7>‘ : ,/*‘ .9/.‘ .9,>‘ 9/?,‘ 5.-)<0‘ /‘ G‘41*+H‘ 5/>‘ /‘ +,/+‘ -/==1.E ‘ ‘ ‘ ‘ ‘ ,.<‘).‘ 1.‘ : />‘ ,/517>‘ 1*+1</.,‘ /‘ : 3?1*2‘ *3<.)-*/7‘ /*+‘ 5)<9‘ 512*5‘ 593)7+‘ *,?,-B‘ =,‘ 12*3-,+‘ 1 : 17/-7>‘ /‘ <3?,>‘ 34‘ ;/-.-1+2,5‘ 5;-1*21*2‘ 81.9‘ <3*.1*),+‘ </<071*2‘ 15‘ /‘ <,-./1*‘ .30,*‘ 34‘ .9,‘ ;-,5,*<,‘ 34‘ /*‘ ,*, : >B 8917,‘ /‘ .,--141,+ 73301*2‘ -/==1.‘ 81.9‘ 5./-1*2‘ ,>,‘ /*+‘ ,/-5‘ 7/1+‘ =/<0‘ : ,/*5‘ .9/.‘ /*‘ 1*.,-?1,8‘ 15‘ .9,*‘ 1*5./*.7>‘ 1 : ;,*+1*2

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*‘ .9,5,‘ : 3-,‘ ,C.,*51?,‘ 3;,-/.13*5‘ .9,‘ 7>*C‘ 1*‘ ,?/+1*2‘ .9,‘ 2)*5‘ 15‘ 53 : ,.1 : ,5‘ 1*.,-<,;.,+‘ =>‘ .9,‘ /+?/*<1*2‘ ;/<0‘ =,91*+‘ 9,*‘ 14‘ =>‘ 7)<0‘ .9,‘ </.‘ </*‘ =,‘ 43-<,+‘ 1*.3‘ .9,‘ 3;,*‘ 59,‘ 23,5‘ 344‘ /.‘ 41*,‘ 5;,,+‘ 1*‘ 2-,/.‘ =3)*+5‘ /5‘ /‘ 7,3;/-+‘ <3?,-5‘ .9,‘ ?,7+‘ /*+‘ D.9,‘ 93-5,5‘ 1*‘ .915‘ </5,‘ =,1*2‘ ;1<0,.,+‘ <735,‘ =>‘ : />‘ 53 : ,@ .1 : ,5‘ =,‘ G‘ .-,,+‘ H‘ 3-‘ -)*‘ .3‘ =/>‘ 1*‘ 53 : ,‘ +15./*.‘ .91<0,.‘ *‘ .9/.‘ </5,‘ .9,‘ /5515./*<,‘ 34‘ .9,‘ 9)*.,-5‘ 15‘ *,,+,+‘ 43-‘ /‘ 7>*C‘ /.‘ =/>‘ 8177‘ 937+);‘ /‘ 893[,‘ ;/<0‘ 34‘ ‘ 51..1*2‘ ,-,<.‘ 3*‘ 9,-‘ 9/)*<9,5‘ 81.9‘ 9,-‘ =/<0‘ .3‘ .9,‘ =)59‘ /*+‘ +,/71*2‘ 9/74/-:‘ =7385‘ 81.9‘ 7129.*1*2‘ 5;,,+‘ 9,5,‘ ‘ 1.‘ 593)7+‘ =,‘ ,C;7/1*,+‘ /-,‘ *3.‘ 1*.,*+,+‘ .3‘ <735,‘ 51*<,‘ /77‘ 9129 <3)-/2,+‘ +325‘ 8,‘ 41*+‘ :,,.‘ /‘ 5;,,+>‘ +,/.9‘ 4-3 :‘ .9,‘ .)505‘ 34‘ 817+ =3/-5

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> <3 : ;/*13* .3)<9,5 :, 3* .9, /- : B /8/> =,>3*+ /*+ 9/74 =,91*+ 91 : D/7 : 35. 3* .9, 81*+ 5./*+5 /43C 1*.,*.7> 2/11*2 ,43-, .9, 2)* </* =, =-3)29 .3 =,/- 1. 15 *,<,55/-> .3 5.,; -3)*+ .9, 0,,;,-5 4-3*. / /*+ 3*, ,C;,<.5 .9/. .9/. 41-5. : 3?,@ :,*. 8177 :,/* .9, 1*5./*. +15/;;,/-/*<, 34 .9, ?)7;1*, 3. 53 X 9,-, 9, 5./*+5 5./.),56), 8917, .9, : /*3,)?-, 15 ,C,<).,+ 5 9, .33 9>;*3.15,+ F *3*, 3<</513* .9, /).93-5 5./*+1*2 593)7+,- .3 593)7+,- 81.9 .9, 0,,;,- =,91*+ .9,: 8$,-, 3*7>

concealed by a single bush in front. At the third or fourth call a wild-cat sprang from the thicket beyond, fairly flew the intervening thirty yards at a bound, and landed in the single bush at our feet (precisely where the "rabbit" should have been) before a gun could be raised. What a marvellous exhibition of wild hunting!

In this case, too, we had had notice in advance by the noisy rising of a pair of partridges sixty yards away in the bush. That cat scaled 12⅛ lbs. dead-weight.

All the beasts-of-prey can be secured in this manner. February is their pairing-season; but the best time for "calling"

IMPERIAL EAGLE PASSING OVERHEAD

(The spectator is presumed to be lying on his back!)

is a month or so later—in March and April—when young rabbits appear and when the *alimañas* themselves have their litters to feed.

Feathered raptores, such as eagles, kites, and buzzards, can also be obtained by "calling," but, as above indicated, their loftier position enables them to see the guns, and it is necessary in their case to prepare a covered shelter in which one can stand, concealed from above.

4. Watching.—The fourth and last system brings one face to face with wild nature in her nocturnal aspects. Such aspects (to the majority of mankind) are unknown; but night-work, whether at home, in Africa, or in Spain, has always strongly appealed to the writers. Wild creatures do not go to bed at night like lazy men; on the contrary, night is the period of fullest activity for a large proportion of God's creation, whether of fur or feather. To form an intimate personal acquaintance (however imperfect) with these, the comfort of the blankets must be sacrificed.

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* 4,8* 5)<9* +/>5* /*+* *129.5* /5* .9,5,* .,/<9* .9/.* 817+* ;/1** <9,-159,5* 3.9,-* /*1 : /75* =,51+,5* .9,* 2/ : ,* .3* .9,* 4)77* /5* 1*.,-,5.1*2* /*+* ,?,** : 3-,* +1441<)7.* .3* 5,<)-,

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/.,-‘ /.‘ .9,‘ /=1*/7‘ E)5.‘);3*‘ +)50‘ /‘ 43C‘ /;;,/-,+‘ /=3).‘ L !‘ >/-+5‘ /8/>‘ +38* 81*+‘ 93)29‘ 6)1.,‘ /8/-,‘ 34‘ 3)-‘ ;-,5,*<,‘ =3.9‘ =>‘ 5<,*.‘ /*+‘ 5129.‘ 9,‘ +,71=,-/.,7>‘ 5/.‘ +38*‘ 3*‘ 915‘ 9/)*<9,5‘ .3‘ 8/.<9‘ B =).‘ *3‘ <9/-:‘ 34‘ .9,‘ ‘ 83)7+‘ 1*+)<,‘ /‘ *,/-,-‘ /Z ;-3/<9‘ /*+‘ /‘ -147, =/77‘ 8915.71*2‘ 81.91*‘ /*‘ 1*<9‘ 3-‘ .83‘ 34‘ 915‘ ,/-5‘ =-30,‘ .9,‘ 5;,77

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,‘ 9/?,‘ ,*+,/?3)-,+‘ .3‘ -,/-‘ 53:,‘ 34‘ .9,5,‘ /*1:/75‘ 1*‘ </E ‘ .1?1.>‘ 9,‘ >3)*2‘ 817+ </.5‘ /-,‘ =>‘ 4/-‘ .9,‘ :35.‘ 1*.-/<./=7,A‘ ;,-4,<.‘ 41,*+5‘ 34‘ 5/?/2,‘ 4)->‘ 6)1.,‘)*/:,*/=7,‘ .3‘ <1?1715/.13*‘ 9,‘ 7>*C‘ /.‘ 7,/5.‘ /44,<.5‘ /‘ :,/5)-,‘ 34‘ 5)=E,<.13*‘ =).‘ -,:/1*5‘ /78/>5‘)*-,71/=7,‘ /*+‘ .-,/<9,-3)5‘ 1*‘ 5;1-1.‘ 9,‘ 5.3->‘ 34‘ 938‘ 3*,‘ 34‘ 3)-‘ ./:,‘ 7>*C,5‘ /..<0,+‘ /*+‘ *,/-7>‘ 0177,+‘ /‘ ;33-‘ 2‘ ‘ 15‘ .37+‘ 1*‘ ‘ ‘ ;‘ ((‘

CHAPTER XXXV

OUR "HOME-MOUNTAINS"

THE SERRANÍA DE RONDA

I. San Cristobal and the *Pinsápo* Region

This mountain-system may be regarded as an outlying eastern extension of the Sierra Neváda. Except at the "Ultimo Suspiro del Moro" there is no actual break, and both in physical features and in fauna the two ranges coincide, while differing essentially from the Sierra Moréna, their immediate neighbour on the north. The Serranía de Ronda, nevertheless, displays distinctive characters which entitle it to a place in this book; it forms, moreover, our "Home-mountains," lying within a thirty-mile ride eastward of Jerez.

PINSÁPO PINE

The outstanding feature is the *massif*—or, in Spanish, *Nucléo Central*—of San Cristobal, which rises to 5800 feet, and stands head and shoulders above its surrounding satellites, an imposing pile of cold grey rock and perpendicular precipice.[1]

Nestling beneath its western bastions lies the Moorish

[1] These mountains are believed to overlie vast store of subterranean wealth in the form of petroleum. Geologists seem agreed upon that; but they differ as to the precise locality of the treasure or whence it may most conveniently be exploited.

hamlet of Benamahoma, whence, housed in friendly quarters, we have oft explored this hill. The route to the summit (which may almost be reached on donkey-back) is by the southern face; for summits, however, merely as such, we have no sort of affection, and never expend one ounce of energy in gaining them, unless they chance to aid a main objective. As to "views," we are sure to enjoy these from other points quite as effective.

New-fallen snow powdered the ground and mantled the surrounding peaks as we rode out of Benamahoma on March 20. But the sun shone bright, and from a poplar softly warbled a rock-bunting—with pearl-grey head, triple banded. Serins and kitty-wrens sang from the wooded slopes, and we observed long-tailed tits, with cirl-buntings and woodlarks. A grey wagtail by the burnside was already acquiring the black throat of spring.

ROCK-BUNTING
(*Emberiza cia*)

The tortuous track writhes upwards through sporadic cultivation—the angles at which these hill-men can work a plough amaze, beans and *garbanzos* grow on slopes where no ordinary biped could maintain a foothold. The industry of mountaineers (here as elsewhere in Spain) is remarkable. Each tillable patch, however small or abrupt, is reduced to service, its million stones removed and utilised to form the foundation for a tiny *era*, or threshing-floor (like a shelf on the hillside), whereon the hard-won crop is threshed with flails. Higher out on the hills rude stone sheilings are erected to serve as shelters during seed-time and harvest. Not even the hardy Norseman puts up a tougher tussle with nature to wrest her fruits from the earth.

Presently one enters forests of oak and ilex with strange misshapen trunks, stunted and hollow, but decorated with prehensile convolvulus and mistletoe—many three-fourths dead, mere shells with cavernous interior, sheltering tufts of ferns. Here, instead of destroying the whole tree, charcoal-burners pollard and lop; huge lateral limbs are amputated as they grow, and the result, during centuries, produces these montrosities, rarely exceeding twenty feet in height and surmounted by a

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+,71</.,' 5);,-5.-)<.)-,' 34' =-/*<9,5' .3./77>' +15;-3;3-.13*/.,' 3' :3-,' 4/*./5.1<' 43-:5' </*' =,' <3*<,1?,+' .9/*' .9,5,' =73/.,+' =37,5' 8-,5.71*2' /5' 1.' 8,-,' 81.9' +,/.9' >,.' 5.177' /=7,' .3' .-/*5:1.' 714,' .3' .9,' 5);,-5.-)<.13*' /=3?,' 9,>'-,</77' .9,' /3=/=' .-,,5' 34' ,*.-/7' 4-1</' *' *,1.9,-' </5,' 15' .9,' ,44,<.' /=537).,7>' +15@;7,/51*2' /7=,1.' 2-3.,56),' 3.9' :/>'=,' +,5<-1=,+' /5' +,43-:,+' -/.9,-' .9/*' +15412)-,+

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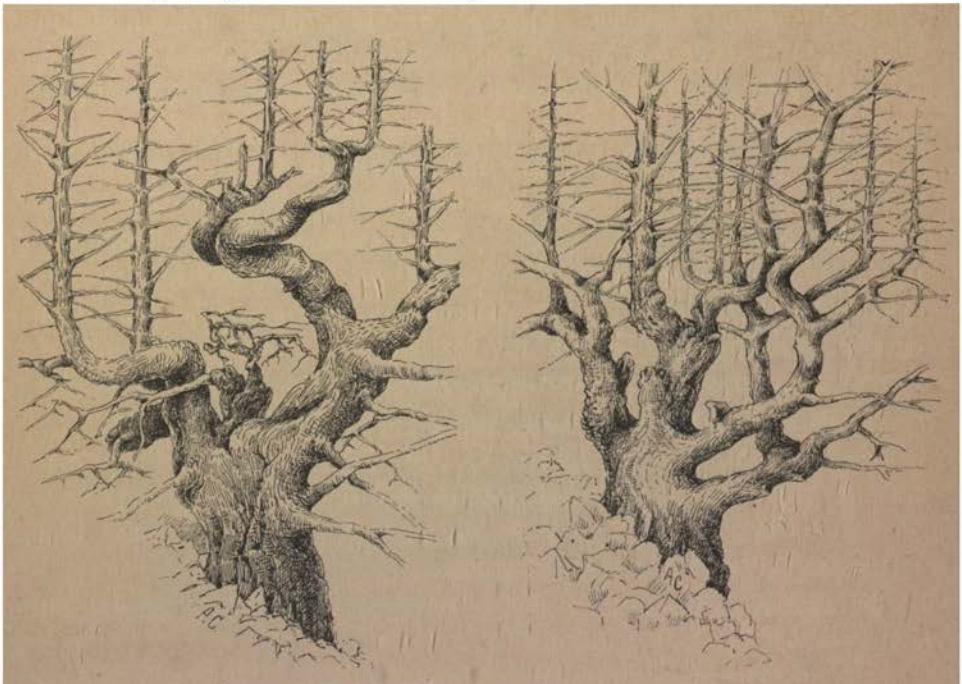
9,' .-,,' ;355,55,5' -,:/-0/=7,' ;,-53*/71.>' 93)29' 3*,' 5,,5' /' <9/*<,' 5;,<1:,*' 2-38');' 5.-/129.' /5' /' 5;-)<,' >,.' 1.5' *3-:/7' .,*+,*<>' 15' .3' G' 47/..,*' 3).' H' 3*' .3;' 89,*<,' .9-,,' 43)-' ,?,*' /' +31,*' 1*+,;,*+,*.' G' 7,/+,-5' H' 5;-1*2' /8/>' ,/<9' 81.9' ,6)/7' ?123)-' /*+' 41*/77>' 43-:' /5' :/*>' +15.1*<.' ?,-.1</7' .-)*05' 5/>' 51C' 3-' ,129.' 5,;/-/.,' ;1*,5' /77' /-151*2' 4-3:' /' <3:::3*' =/5,

3' 5,,' .9,' ;1*517;3' 1*' 1.5' ;-15.1*,' :/E,5.>' /*+' :/551?,*,55' 3*,' :)5.' /5<,*+' =,>3*+' .9,' -/*2,' 34' <9/-<3/7=)-*,-5B);' .9,-,' 473)-159' 212/*.1<' 5;,<1:,*5' 53:,' 34' 891<9' 8,' :,/5)-,+' D=>' -3)29' ;/<1*2' .3',*<3:;/55' .,*' .3' 414.,,*' >/-+5' 34' =/5,' 9,5,' .-,,5' 2-38' 4-3:' 5<-,,5' 34' =-30,*' -3<0 A 2-,/.' =73<05' 34' 891.,' +373:1.,' B=).' .9,' +,,;5,/-<91*2' ./;-33.5' ;,*,.-/.,' .3' =7/<0' /77)?1/' =,*,/.9' .9,-' 9)2,' ;1*,5' 43)*+' -33.937+' 1*' 8/775' 34' 71?1*2' -3<0' 9,' .9-,,' 50,.<9,5' :/+,' 4-3:' 1*+1?1+)/7.-,,5' D;-,5):,+

for the purpose to be divested of foliage), illustrate the singular multiple growth described.

The foliage of the pinsápo differs from ordinary pine-needles, being rather a series of stiff outstanding spines analogous to those of the Araucaria. They display a crimson efflorescence in March, developing into clusters of red cones by April, and ripening in August to September.[1]

The pinsápo-forests are subject to terrible destruction alike



PINSÁPO PINES (*Abies pinsapo*)

Diagram to show trunk-plan, divested of foliage. Girth at base 30 to 45 feet.

by hatchet and fire, tempest and avalanche. Forest-fires sweep whole glens; while rock-slides overwhelm and uproot even the biggest trees by scores. Few scenes that we have witnessed are more eloquent of nature's violence than these traces of an avalanche. Mammoth skeletons, weird and weather-blanched, protrude by the hundred from chaotic rock-ruin—some still upright, others overthrown or half submerged in debris, yet

[1] We have a number of pinsápos growing in Northumberland. They were planted some ten years ago on a cold northern exposure, and are now flourishing vigorously, some having reached a height of eight or ten feet. Nearly all tend to throw up numerous "leaders" as described.

stretching great white arms heavenward, as though in agonised appeal. The distant roar of an avalanche is a not infrequent sound throughout the mountain-land.

The pinsápo-forests of San Cristobal present one of the most striking mountain-landscapes in Andalucia. For some three miles they cover in a semicircle the whole scooped-out amphitheatre of the mountain-side. Their dark-green masses, contrasted against the white rocks on which they grow—and in winter with yet whiter snow—cluster upwards, tier above tier, from below the 3000-feet level away to the extreme summit of the knife-

CROSSBILL
Wrestling with pine-cone.

edged ridge above, say 5500 feet. Would that we could depict the beauty of the scene.

Through these dark forests a track winds, and here again the evident industry of the mountaineers surprised. At intervals along this pathway lay great baulks of pine-timber (sleepers, planks, and poles), dressed and piled ready for transport. That such loads could be carried hence on donkey-back, or, were such possible, that the labour could be repaid, appeared incredible—so distant are markets and so heavy the cargo.[1]

We had hoped to find in these forests a home of the Spanish crossbill, but not a sign of it rewarded our search. To avail the

[1] Pinsápo timber is fairly hard, but too "knotty" for general purposes, and it is useless for charcoal. Yet these glorious forests are being sacrificed wholesale because the wood affords "good kindling" for the charcoal-furnace—can wasteful wantonness further go? That the only existing forests of the kind on earth should be ruthlessly destroyed for no single object but to provide *kindling* passes understanding.

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,>3*+'.9,' ;1*5+;3 43-,5.5'5)<<,,+5' /' -,213*' 34' 81->',5;/-.3' 2-/55')' 891<9' 8,' <71:=,+'.3'>,.' :3-,'5.,-17,' I3*,5'/=3?,' ,-,' <-),7' -3<05' /-,' /+3-*,+' 81.9' /' +8/-4' 583-+=-33:' 5.,,7.1;;,+' /' .93-*>' =,-=,-15' /*+' ?1<13)5' ;1*<)5913*' 23-5,' .9/.' ;-3.,<.5' 1.5' *,8,-'2-38.95' D*3.' .9/.' .9,-,' 15' /*>.91*2' .,*+,-' /=3).' 1.' /.' /*>' 5./2,' =>' /' +,71</.,' 2-,>' .-/<,->' .9/.' +,<,1?,5' /' </-,7,55' ,>,' 3-' .9/.' 5)=.7,' .-/<,->' 15' 1*' 4/<.' .9,' 1*+)-/.,+' :/71<,' 34' 7/5.' >,/-5' 5;10,>' /-:3)-' 3' 9/*+937+' +3,5' */.)-,' 9,-,' ?3)<95/4,

)-13)57>' 8,' *3.1<,+' 833+7/-05');' 9,-,' 8917,' =7/<05./-.5' /=3)*+,+' /5' .1.7/-05' 3*' /' 3-.9):=-1/*' :33-' *' /*' 1 ><7/+' 23-2,' /.' (!!' 4,,.' 8,' 43)*+' .83' *,/-7>' <3:;7,.,+' *,5.5' 1*' -3<0' <-,?1<,5'Ⅴ 3*,' 3<<);1,+' /' ?,-.1</7' 4155)-,' .9/.' *,,+,+'6)1.,' .8,7?,' 1*<9,5'34';/<0,+' :355' .3' ;-3?1+,' /' 43)*+/.13*' .9,' <);@ 59/;,+'*,5.=,1*2'5);,-1:;35,+').' 1.' 8/5'*3.'.177' /' :3*.9'7/.,-' D ;-17' (' .9/.' .9,5,' =1-+5' 8,-,' 7/>1*2'1*' ,/-*,5.

.' M!!!' 4,,.' .9,' G' 13-*3'H' > ' ' =,2/*' .3' 2-38' /' -,+5.,:: ,+' 59-)=' 0*38*' 73</77>' /5' ' 2 ' /*+' 3*' =-,/01*2'1.' .9,' .8125' /-,' 43)*+' .3' =,' 4177,+' 81.9' /' :170>' 47)1+' .9/.' E)5.141,5' .9,' */:,' 9,' ;13-*3' 8,' 9/?,' *,?,-' 43)*+' 2-381*2',C<,;.' 3*' .9,' 9129' .3;5'34' -,+35' /*+' 3.9,-' 734.>' 51,--/5' 89,-,' 1.' 43-:5' /' <91,4' 433+' 34' .9,' ;/*159' 1=,C' 1.5';-,5,*<,' =,1*2' 1*' 4/<.' /78/>5' /553<1/.,+' 81.9' .9/.' 34' .9,' 817+ 23/.' 7/5X .9/.' 9,-,' 3*' /*' -15.3=/7' .9/.' /553<1/.13*' 9/5' =,,*' 5,?,-,+A' /*3.9,-' 1*5./*<,' 34' .9,' 9,,+7,55' 1:;-3?1+,*<,' .9/.' :/-05' .9,' ;/*159' -/<,' 14.,,*' >,/-5' /23' .9,>' +,5.-3>,+' .9,' 7/5.' 1=,C' B 414.,,*' >,/-5' 9,*<,' .9,>' 8177' 9/?,' +,5.-3>,+' .9,' 7/5.';1)5/;3' X

<,' 43-' =-1,4' :3:,.5' /' =-3/+ 93-*,+' 9,/+' ;,,-1*2' 3?,-' .9,' .3;:35.' <-/25' 7,*.' E3>3)5' 93;,' .9/.' /4.,-' /77' /*' 1=,C' 3-' .83' :129.' >,.' 5)-?1?,').' .9,' 1*.-)+,-' ;-3?,+' .3' =,' 3*,' 34

the dark-brown rams of *Ovis lidens* that, in semi-feral state, roam these peaks.

San Cristobal itself now holds no big game; though ibex are found but a few leagues to the eastward, and, we rejoice to add (on certain sierras where protection is afforded them), begin to increase. The Serranía de Ronda, like Neváda, of which it is an extension, has never held either boar or deer; both are too rocky and precipitous to shelter those animals, though both boar and roe are found in the lower hills towards Jerez.

Just below the highest peak, the Cumbre de San Cristobal, lies a curious little alpine meadow. It is only forty yards square, and while we rested, lunching, on unaccustomed level a golden eagle swept overhead, chased and hustled by a mob of choughs that colonise these crags. Ten minutes later a lammergeyer afforded a second glorious spectacle, speeding through space on pinions rigidly motionless, but strongly reflexed, as is usual on a descending gradient. Only once, as far as eye could follow, was one great wing gently deflected, and that merely from the "wrist."

LAMMERGEYER OVERHEAD

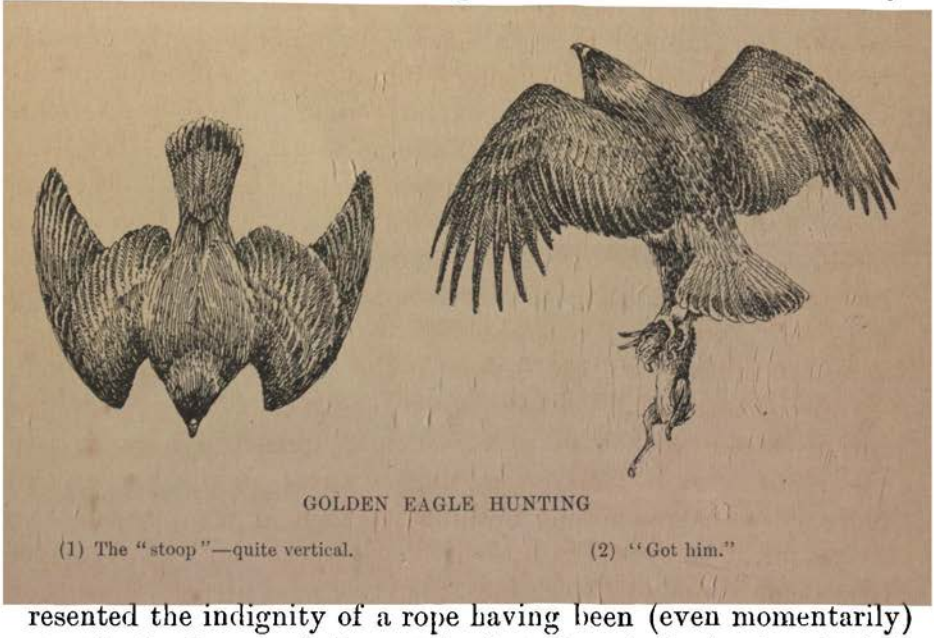
Gliding high on down-grade with rigid reflexed wings, outer primaries in-drawn, fan-wise.

On reaching a crest above, two lammergeyers appeared, the first carrying a long stick or thin bone athwart his beak; the second held a course direct to where L. sat on the ridge, coming so near that the rustle of huge wings sounded menacingly and the white head, golden breast, and hoary shoulders showed clear as in a picture. We expected to find the eyrie somewhere hard by, but in this we were mistaken—once more. It was not on that hill, nor the next; but on a third![1]

We discovered the nest of our friends, the golden eagles. It was situate quite two miles away, in a vertical pulpit-shaped

[1] We mention, parenthetically, certain birds observed at end of March on that alpine meadow (4800 feet), as follows:—One ring-ouzel, a pair of common wheatears, woodlarks, and Dartford warblers—all, no doubt, on migration—besides, of course, blackchats, blue thrushes, etc. A month later the beautiful rock-thrush had come to grace the desolation with lilting flight and song, and tawny pipits ran blithely among the rocks.

rock-stack, that stood forth in a terribly steep scree. From a cavern in the face of this (prettily overhung by a clump of red-berried mistletoe) flew the male eagle. From below, the eyrie was accessible to within a dozen feet; but that interval proved impassable. In the evening we returned with the rope, and having made this fast above, L. was about to ascend from below, when the man left in charge at the top (probably misunderstanding his instructions) let all go, and down came the rope clattering at our feet! It was too late to rectify the blunder that night, and a month elapsed ere we would revisit the spot. Then this curious result ensued. The eagles, we found, had so bitterly



GOLDEN EAGLE HUNTING

(1) The "stoop"—quite vertical. (2) "Got him."

resented the indignity of a rope having been (even momentarily) stretched athwart their portals that they had abandoned their stronghold, leaving two handsome eggs, partly incubated. Their eyrie was eight feet deep, its entrance partly overgrown with ivy and (as above mentioned) overhung by red-berried mistletoe growing on a wild-cherry—the nest built of sticks, lined with esparto, and adorned with green ivy-leaves and twigs of pinsápo.

The golden eagle is still common, ornamenting with majestic flight every sierra in Spain. For eagles are notoriously difficult to kill, and, when killed, cannot be eaten; so the goat-herd, with characteristic apathy and Arab fatalism, suffers the ravages on his kids and contents himself with an oath. Only once have we found a nest in a tree; it was a giant oak, impending a

a chasm riven right through the earth's crust till its depths are invisible from above; and overshadowed by encircling walls of sheer red crags, broken horizontally at intervals, thus forming, as it were, tier above tier, and flanked by a series of bastions and flying buttresses apparently provided to support the vast superstructure above.

By climbing along the rugged central tier, one overlooks from its apex, as from the reserved seats of a dress-circle, the whole domestic economy of a vulture city in being. Every ledge in that abyss was crowded; many vultures sat brooding, their heads laid flat on the rock or tucked under the point of a wing. Elsewhere a single grey-white chick, or a huge white egg, lay in full view on the open ledge, nestled, apparently, on bare earth; and behind these each niche or cavern had its tenant. The rocks around a nest were often stained blood-red, and one vulture arrived carrying a mass of what appeared carrion in its claws. Another brought a wisp of dry esparto-grass athwart her beak and deposited it in her nest.[1]

"WING-DRYING"

While we watched this scene a smart thunderstorm passed over, with the result that shortly afterwards the vultures spread their huge wings to dry, displaying attitudes some of which we endeavour to sketch — see also p. 9.

The descent into the unseen depths beneath was rewarded, despite a terrible scramble —part of the way on a rope—by discovering a fairy grotto filled with pink, azure, and opalescent stalactites and stalagmites.

[1] Note that the pellets or "castings" thrown up by vultures are chiefly formed of grass cut up into lengths and compacted with saliva, evidently digestive. We have frequently seen vultures carrying a wisp of grass in their beaks.

9,ˢ =,+ˢ 34ˢ .9,ˢ </*>3*ˢ 891<9ˢ 4-3 :ˢ /=3?,ˢ 9/+ˢ /;;,/-,+ˢ .3ˢ =,ˢ ;/?,+ˢ 81.9ˢ 5/*+ˢ *38ˢ ;-3?,+ˢ .3ˢ <3*515.ˢ 34ˢ =3)7+,-5ˢ .,*ˢ 4,,.ˢ 9129ˢ 4.,-ˢ .9-,/+1*2ˢ /ˢ +,?13)5ˢ <3)-5,ˢ .9-3)271ˢ .9,5,ˢ 43-ˢ 9/74 / :17,ˢ 8,ˢ -,/<9,+ˢ .9,ˢ :3).9ˢ 34ˢ .9,ˢ 2-3..3ˢ .5ˢ 81+.9ˢ 83)7+ˢ =,ˢ *,/-7>ˢ !!ˢ 4,,.ˢ /*+ˢ 9,129.ˢ /=3).ˢ 9/74ˢ .9/.ˢ .9,ˢ 43-:ˢ -3)297>ˢ -,5,:=71*2ˢ .9,ˢ 6)/-.,-ˢ 34ˢ /ˢ <3<3/*).ˢ 9,ˢ +3:,ˢ 1*ˢ +,71</.,ˢ <373)-1*2ˢ ;/55,5ˢ +,5<-1;.13*A .9,ˢ /;,Cˢ =-129.ˢ 5/7:3*ˢ ;1*0ˢ <9/*21*2ˢ /5ˢ 1.ˢ ;/55,+ˢ 1*8/-+5ˢ 41-5.ˢ 1*.3ˢ <7,/-ˢ ,:,-/7+ˢ .9,*ˢ .3ˢ +/-0ˢ 2-,,*ˢ /*+ˢ 41*/77>ˢ .3ˢ 1*+123Bˢ 8917,ˢ .9,ˢ -,47,<.,+ˢ 5)*7129.ˢ 417.,-1*2ˢ +38*ˢ =,.8,,*ˢ .9,ˢ -3<0 8/775ˢ 34ˢ .9,ˢ </*>3*ˢ </)5,+ˢ ;9/*./5:/23-1<ˢ ,44,<.5ˢ 5)<9ˢ /5ˢ 3*,ˢ .93)29.ˢ ,C15.,+ˢ 3*7>ˢ 1*ˢ 4/1->7/*+ˢ 9,ˢ </?,-*ˢ 8/5ˢ =/<0,+ˢ =>ˢ ;177/-5ˢ 34ˢ 5./7/<.1.,5ˢ -,5,:=71*2ˢ .9,ˢ ;1;,5ˢ 34ˢ /ˢ :129.>ˢ 3-2/*ˢ /*+ˢ 34ˢ 53ˢ 534.ˢ /*+ˢ 4,/.9,->ˢ /ˢ .,C.)-,ˢ .9/.ˢ 1.ˢ 8/5ˢ 5)-;-151*2ˢ 3*ˢ .3)<91*2ˢ .9,:ˢ .3ˢ 41*+ˢ 9/-+ˢ -3<0ˢ 9,ˢ 4733-ˢ /753ˢ 8/5ˢ <3:;35,+ˢ 34ˢ 2-,/.ˢ 5:33.9ˢ 5./7/2:1.,5ˢ +,,;ˢ =-38*ˢ 1*ˢ <373)-

-3:ˢ 3).51+,ˢ 3*,ˢ 5/8ˢ .9,ˢ 50>ˢ /5ˢ .9-3)29ˢ /ˢ */--38ˢ -14.ˢ =,.8,,*ˢ .9,ˢ ;,-;,*+1<)7/-ˢ 8/775ˢ 891<9ˢ .38,-,+ˢ);ˢ S\\ˢ 4,,.Fˢ /*+ˢ /=3?,ˢ .9/.ˢ 7,?,7ˢ .9,-,ˢ /2/1*ˢ);-35,ˢ .9,ˢ ?)7.)-,5ˢ <71445ˢ /7-,/+>ˢ +,5<-1=,+

*,ˢ ,?,*1*2ˢ 8,ˢ +,.,<.,+ˢ /4/-ˢ /ˢ </?,-*ˢ 891<9ˢ 5938,+ˢ 512*5ˢ 34ˢ =,1*2ˢ .9,ˢ ;-,5,*.ˢ /=3+,ˢ 34ˢ /ˢ 7/::,-2,>,-ˢ -,ˢ -,/<91*2ˢ 1.ˢ 938,?,-ˢ /ˢ 0,,*ˢ ,>,ˢ +,5<-1,+ˢ 3*,ˢ 34ˢ .9,5,ˢ =1-+5ˢ 1*ˢ .9,ˢ 9,/?,*5ˢ /.ˢ /*ˢ /7.1.)+,ˢ .9/.ˢ +8/-4,+ˢ .9,ˢ 2-,/.ˢ #(ˢ .3ˢ .9,ˢ 51I,ˢ 34ˢ /ˢ 9):=7,ˢ 0,5.-,7ˢ -,5,*.7>ˢ /4.,-ˢ :/*>ˢ +,5<,*+1*2ˢ 58,,;5ˢ .9,ˢ 7/::,-2,>,-ˢ ,*.,-,+ˢ /*3.9,-ˢ</?,-*ˢ !!!ˢ 4,,.ˢ 9129,-ˢ);A 1*ˢ 4/<.ˢ <735,ˢ)*+,-ˢ .9,ˢ 50> 71*,ˢ /:3*2ˢ 53:,ˢ 5</*.>ˢ ;1*5/;35ˢ 9,ˢ 93)-ˢ 8/5ˢ (ˢ #ˢ /*+ˢ /4.,-ˢ /ˢ 73*2ˢ +/>5ˢ 5<-/:=7,ˢ .9,ˢ 8-1.,-ˢ 591,+ˢ /.ˢ /ˢ 4-,59ˢ /5<,*.ˢ 3.ˢ 53ˢ :>ˢ <3:;/*13*ˢ ˢ 893ˢ 5,.ˢ 344ˢ /.ˢ /ˢ -)*ˢ /*+ˢ 81.91*ˢ /*ˢ 93)-ˢ 9/+ˢ -,/<9,+ˢ .9,ˢ ,>-1,ˢ .ˢ E^-3?,+ˢ ,:;.>ˢ .93)29ˢ .9,ˢ 7,2ˢ 34ˢ /ˢ 4-,597>ˢ 0177,+ˢ 01+ˢ 7/>ˢ 9/74ˢ /<-355ˢ .9,ˢ *,5.ˢ 915ˢ 8/5ˢ ;-,5):/=7>ˢ .9,ˢ /7.,-*/.1?,ˢ 51.,ˢ)5,+ˢ .915ˢ >,/-ˢ :,-,7>ˢ /5ˢ /ˢ 7/-+,-Bˢ =).ˢ .1:,ˢ +1+ˢ *3.ˢ .9/.ˢ *129.ˢ /+:1.ˢ 34ˢ 4)-.9,-ˢ 5,/-<9

9,ˢ 8-1.,-ˢ =,2)17,+ˢ .9,ˢ .83 93)-5ˢ 1*.,-?/7ˢ 1*ˢ 1*.,-?1,81*2ˢ /ˢ 817+ˢ 21;5> ,>,+ˢ 21-7ˢ 34ˢ .8,7?,ˢ 8935,ˢ */:,ˢ 8/5ˢ 35< /ˢ 2)17/-ˢ /*+ˢ 8935,ˢ ?3</.13*ˢ 1*ˢ 714,ˢ .3ˢ /..,*+ˢ /ˢ 9,-+ˢ 34ˢ 581*,ˢ 9-3)29@ 3).ˢ ;/1*ˢ 89,.9,-ˢ 3*ˢ :3)*./1*ˢ 3-ˢ ;7/1*ˢ 3*,ˢ 5,,5ˢ .915ˢ .91*2Aˢ /ˢ 5:/77ˢ =3>ˢ 3-ˢ 21-7ˢ 5;,*+1*2ˢ .9,ˢ 71?,73*2ˢ +/>ˢ 1*ˢ 5371./->ˢ <9/-2,ˢ 34ˢ +):=ˢ =,/5.5ˢ 23/.5ˢ 3-ˢ ;125ˢ ,?,*ˢ .)-0,>5A /*+ˢ .9,ˢ 5129.ˢ ,?,-

causes me a pang of regret. Probably I am quite wrong, but such hardly seems a human vocation—certainly it leads nowhere. In intervals of pelting her recalcitrant charges with stones, Joséfa told me she lived in a reed-hut which was close by, but so small that I had overlooked its existence; that she never went to school or had been farther from home than Zahara, a village some few miles away. She asked if I was from Grazalema, and on being told from England, she repeated the word "Inglaterra" again and again, while her bright black eyes became almost sessile with

LAMMERGEYER ENTERING EYRIE

wonderment. Joséfa's frock was hanging in tatters, torn to bits by the thorny scrub. I gave her some coppers to buy a new one, and with a little joyous scream Joséfa vanished among the bush.

Darkness was closing in ere L. returned; then great thunder-clouds rolled up, obscuring the moon, and oh! what we suffered those next three hours, scrambling over rock and ridge, through forest and thicket—all in inky darkness and under a deluge of rain.

On returning to this remote ridge (having ascended from the opposite face), we soon renewed our friendship with the lammergeyer—when first seen, it was being mobbed by an impudent chough. Then it sailed up the deep gorge below us, passing close in front, and after clearing an angle of the hill, wheeled inwards

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' 1,--/' ,-:,E/' 5./*+1*2' 3*' #,+1.,--/*,/*' 593-,' +,:/*+5' /';/2,'3-'.83'14'3*7>'=,</)4F,'1.'/443-+5'/'93:,'.3'.9-,,'34' ;/1*5' ;,<)71/-'/*+'-/-,-'2),5.5A.9,';1*5/;3'.9,'1=,C'/*+'.9,'7/::,-'2,>,-

)-',/-71,-',C;,-1,:1,'1*' ,-:,E/'3)-',443-.5'.3'5.)+>'1.5'1=,CA/*+'.3'5,<)-,'/'5;,<1:,*'3-'.83A/-,'.37+'1*' ')441<,'1.'9,-,'.3'5/>'.9/.'.9,'<9/-/<.,-15.1<'34'.9,5,' #,+1.,-@-/*,/*' :3)*./1*5'15'.9/.'9,-,'.9,'1=,C'9/=1.)/77>'71?,'/*+',?,*'71,)E'D/5'9/-,5'+3'/:3*2'.9,'5<-)==>'=-)59833+'34'.9,'91775'A/'-,:/-0/=7,'+,?1/.13*'4-3:'.9,1-'37.5,-?,+'9/=1.5',75,89,-,'89,.9,-'1*' ;/1*'.9,' /)</5)5'/*+' 1:/7/>/5'3-'89,-,?,-'1=,C'/-,'43)*+').'51*<,'=-)59833+'<73.9,5' ,-:,E/'/*+'3.9,-' #,+1.,--/*,/*'91775'.3'.9,1-'.3;:35.'9,129.5'.9,'73</7'817+23/.5'9/?,'71.,-/77>'*3'<931<,'1*'.96':/..,-' .177'5)<9'/'9/=1./.':)5.'5.-10,'/'9)*.,-5',>,'/5/=*3-:/7'/*+'15'1*'4/<.'/'<)-13)5'1*5./*<,'34'G /+/;./.13*'.3',*?1-3*:,*.HR

)-1*2' ,<,:=,-'L"!''8,'5;,*.'53:,'+/>5'1*' ,-:,E/'1*'/*'/..,:;.'.3'5./70'.9,'1=,CA/'+1441<)7.')*+,-./01*2'89,*'2/:,'15'/78/>5'.9-,,;/-.5'91++,*'=>'5<-)='*'43-:,-'3<</513*5'8,'9/+'5,<)-,+'/'5;,<1:,*'34'.OR3'=>'5./701*2'D9,-,'</77,+' & $ '/*+'G'+-1?1*2'H'B =).'89/.,?,-'<9/*<,'.9,-,':129.'9/?,'=,,*'8/5'.915'.1:,'/**1917/.,+'=?'1*<,55/*.':15.5',*59-3)+1*2'.9,'9,129.5'1*'3;/6),'5<-,,*' 9)5'/*3.9,-'</-,4)77>'3-2/*15,+',C;,+1.13*'/*+')*5.1*.,+'7/=3)-'8,-,'3*<,':3-,'.9-38*'/8/>'X

*' ,<,:=,-'L"'8,'+-3?,'.9,'G' 1*5/;/7H' 915'<3::,*<1*2

' 71,' ;/*159'*/:,'34'.9,'17^,C' ' '512*141,5'*3.'/5':129./;;,/-'G :3)*./1*'23/.]'=).' 2 B /*+':/>'9/?,'3-121*/.,+'1*'.915'-,213*'3-'/.'7,/5.'4-3:'/'9/=1.'8711<9';-,?/175'71,-,'.93)29'3=537,.,',?,->89,-,',75,

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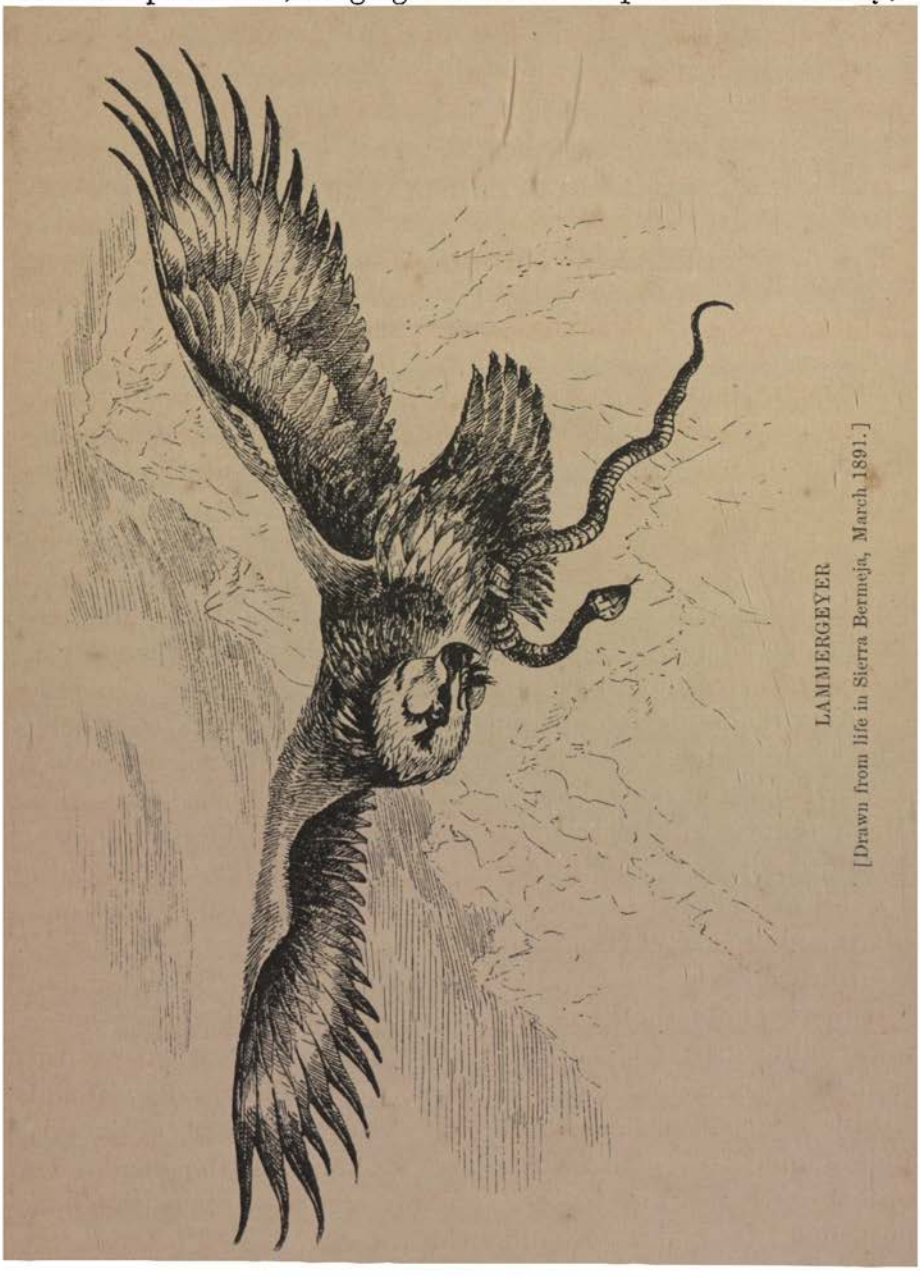
near the highest tops, 5000 feet, extends down a tremendous conch-shaped ravine, merging at the base into pine-forests—chiefly,



LAMMERGEYER

[Drawn from life in Sierra Bermeja, March 1891.]

we believe, *Pinus pinaster*. This "drive" lasted two hours, mist sometimes densely thick, at others clearing a little; but only allowing a view varying from twenty to eighty yards.

915' <3) ;7,+' 81.9' <3*5./*.' +-1;' 4-3 :' .9,' 212/*.1<' ;1*5/;35' /*+' /' =1..,-' 81*+' =7381*2' .9-3)29' <73.9,5' /7-,/+>' 53/0,+' 8/5' ' ' ' 8,77' <3 : 43-.7,55' /*+' ;-,..>' 93;,7,55' .3' =33.' 81<,' .9,' +325' 2/?,' .3*2),A /*+' 1.' ,3)7+' =,' *3.91*2' =).' 1=,C' 9,-,B' ?+117,' ' 893' 8/5' ;35.,+' 3*' .9,'7,4.' 9,/;+' .9,' -/..71*2' 34' 93345' /5' /' 9,-+' ;/55,+' 81.91*' /5' 9,' -,<03*,+' ! !' >/-+5' ' 5,<3*+' 73.' 437738,+' =>' +325' 8/5' 9,/-+' .93)29' *3.' 5,,*' 3*' .9,' ,C.-,:,' -129.' 9,' ;1*5+;35' /.' .915' 5,/53*' /*+' 1*' 5)<9' 8,/.9,-' 43-:' /' 4/?3)-1.,' -,53-.' 43-' 8,' 5/8' :3-,' 512*' 9,-,/=3).5' .9/*' 3*' .9,' 9129' .3;5' ' 81*+' 1*' 81*.,-' /78/>5' :,/*5' :15.A /*+' 4/17)-,

9,' 1=,C' 1*' 81*.,-' 937+' .9,' 91K9' 2-3)*+')*7,55' +-1?,*' +38*' =>' 5*38' *' 5;-1*2' /*+' 5):,-' .9,>' <3:,' 738,-A,?,*' .3' <3-0' 3/0' 7,?,75A ;-,5):/=7>' .3' /?31+' <3*./<.' 81.9' ./:,' 23/.5' .9,*' ;/5.)-1*2' 3*' .9,' .3;5

9,',/5.' 81*+' /*+' 432' <3*.1*)1*2' /' 8937,' 8,,0' .93)29' 8,' .-1,+' /77' 8,' 0*,8' ,?,->' ,443-.' 8/5' 4-)5.-/.,+' =>' /.:35;9,-1<' 3=5.-)<.13*' 3' +-1?,' 1=,C' 5)<<,554)77>' .9,' 50177,+' .-/1*1*2' 34' .9,' +325' 15' ,55,*.1/7' 3-:,-7>' .9,-,' 8,-,' 23/.9,-+5' 893' ;355,55,+' <7,?,-' +325' 34' 2-,/.' 73</7' -,;)., ').' .9,5,' +/>5' 34' G' 4-,, 5933.1*2' H' 9/?,' ;/55,+' /8/>' /*+' .9,' 1=,C' 34' ,-:,E/' 81.9' .935,' 34' 3.9,-' ;/*159' 51,--/5' 9/?,' -,<,*.7>' 4/77,*')*+,-' .9,' =,*,41<,*.' 5,215' 34' G';-3.,<.13* H

1-+ 714,' 1*' 81*.,-' 15' 5</-<,' ,' *3.1<,+' /' 4,8' -,+81*25' 4,,+1*2' 3*' =,--1,5B' E/>5' ;/-.-1+2,5' /*+' :/*>' 833+ ;12,3*5' ;1<01*2');' /<3-*5')7.)-,5'-/-,7>' /;;,/-'9,-,' =).' =3.9' 237+,*' /*+' 3*,7715' ,/27,5' 8,-,' 3=5,-?,+' /*+' 1*' 3*,' **:*./1*' 23-2,' /' ;/1-' 34' 7/:::,-2,>,-5' 9/?,' .9,1-' 5.-3*2937+' 89,-,' 1*' L&"L' 8,' ,C/:1*,+' =3.9' .9,1-' ,>-1,5' 3*,' <3*./1*1*2' /' >3)*2' #(' /5' =12' /5' /' .)-0,>' 9/.' 8/5' 1*' #/-<9' /.' 891D+1' 5,/53*' 9/841*<9,5' /=3)*+,+' 1*' .9,' ;1*,5' /*+' /.' +/8*' .9,' :,73+>' 34' .9,' =7),' .9-)59' -,</77,+' </*+1*/?1/*' 5E)1*25' /*+' .9,' -,+81*2' 5' 53*2' *3.9,-' 5:/77' =1-+' </)5,+' -,<1),*.'/**3>/*<,' 8917,' 1=,C@' +-1?1*2' 1.9' /' 73)+' G' /.' ./.' ./.' H' -,5,:=71*2' .9,' E^/..,-' 34' 93-*>' 93345' 3*' -3<0' 1.5' 5D:2' <3:::,*<,5' B' .9,*' 4377385' /' 91551*2' *3.,' /5' 34' /' 9,/?>' =3+>' ;/551*2' .9-3)29' =-)59833+A 43-' /*' 1*5./*.' 3*,',C;,<.5' .1*B' <3?,.,+' 2/:,' .3' /;;,/-' 3' <3*43)*+' .9/.' =1-+ X 1.5' 3*7>' /' =7/<05./-.

,',C.-/<.' .9,' 437738 1*2' 5<,*,' 4-3 :' ' ' VA

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5933.1*2 =,1*2 .9,*71 : 1.,+ -,47,<.,+ .9/.14 5)<9 8,-, ;/*159 :/-05 :/*591; :129.=,7,4.=,91*+ */55, :=71*2 43-7)*<9 938,?,- 53 :, ?)7.)-,5 8$,-, 8+1,,71*2 9129 3?,-9,/+ /*+ 1. 3<<)--,+ .3 :, .3 .-E :>7)<0 >; -,<15,7>/51 : 17/-47)0, 3*, 9)2, 2-1443*<377/;5,+ .3 .9, 593. /*+ 581-71*2 -3)*+ /*+ -3)*+ 710, /; /-/<9).,3<<);1,+ D1. 5,, :, + 41?, :1*).,5 1*-,/<91*2 .9, 2-3)*+A L!!! 4,,.=,738)5

9/. /4.,-*33* .9, /*.1<5 34 .83 5.-/*2, =,/5.1,5 /..-/<.,+ :> /..,*.13* /*+ /2/1* :>=/77 8,*.5.-/129. 9, ?1<.1 : 8/5 / :3*2335, /*+ 81.9 53 :, ;-1+, 9/+ .9, 5E,<1 :,* </-,4)77> 5.38,+1* .9, :)7, ;/**1,-5A *,?,-.3 5, 1. :3-, 9, :3*2335, 8, *38 0*38 381*2 .3 1.5 9/=1.34 ,/.1*2 5*/0,5 9/5 /<6)1-,+ / ;,-53*/7 /-3 :/5)-;/551*2 1* ;)*2, *<> .9/.34 /*>3.9,-=,/5. 34 .9, 41,7+ /*+ 3)- :,* 53 533*/5 :>=/<0 8/5 .)-*,+ 9/+ +15<-,,.7> .9-38*3).. 9, :/73+3-3)5 .-3;9>

=3/- 5933.1*2 .-1; .3 .9, 1,--/+, ,-,1 43- :,+ .9, 41-5. 5;3-.1*2 ?,*.)-,1* 891<9 .9, /).93-5 8,-, E31*.7>, *2/2,+ 43- 891<9 -,/53* D.93)29 .9, :,:3->+/.,5 =/<0 .3 #/-<9 L&' 8, :/> =, 43-21?,* 43- ,C.-/<.1*2 /=-1,4 5):/-> 4-3 :

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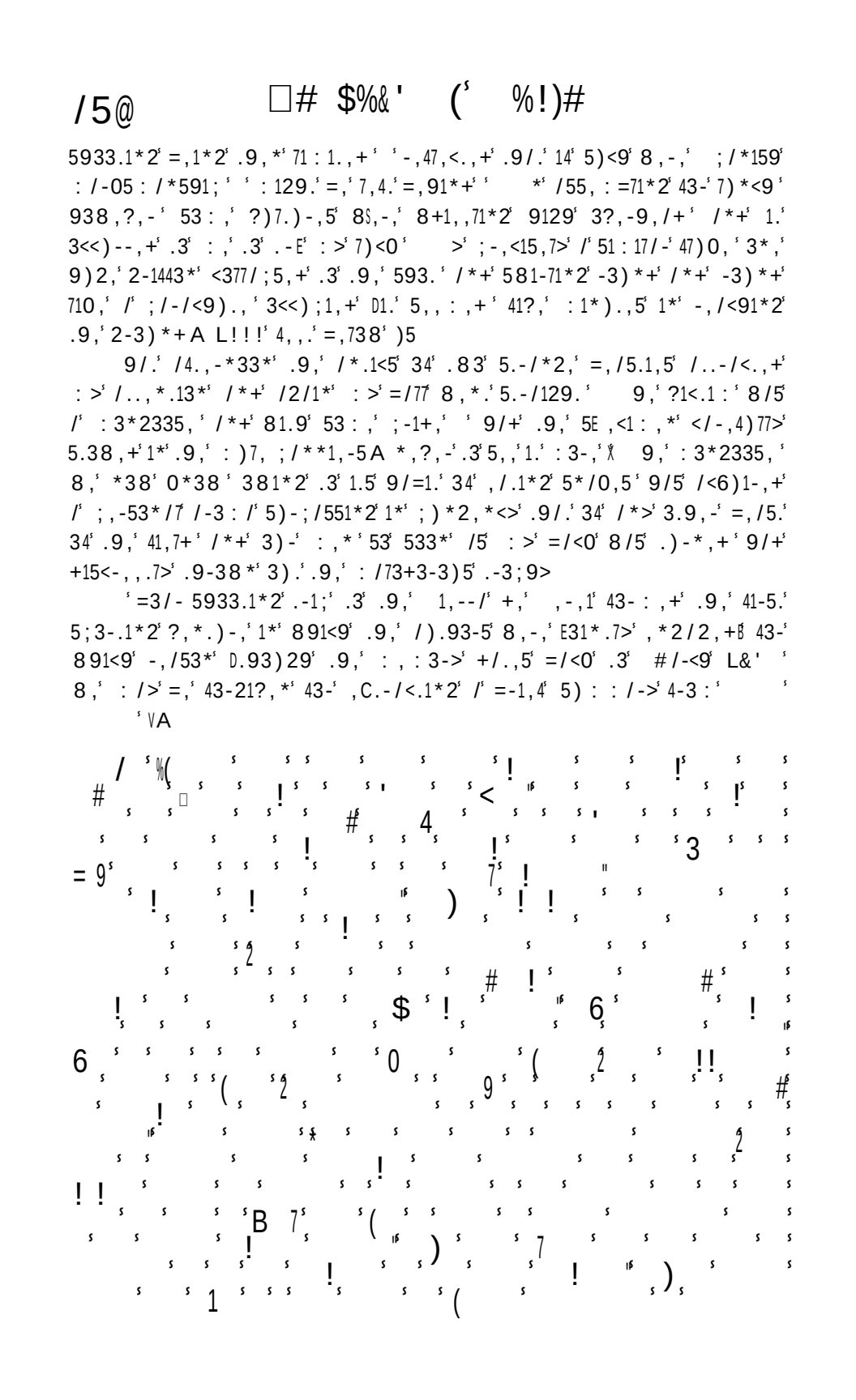

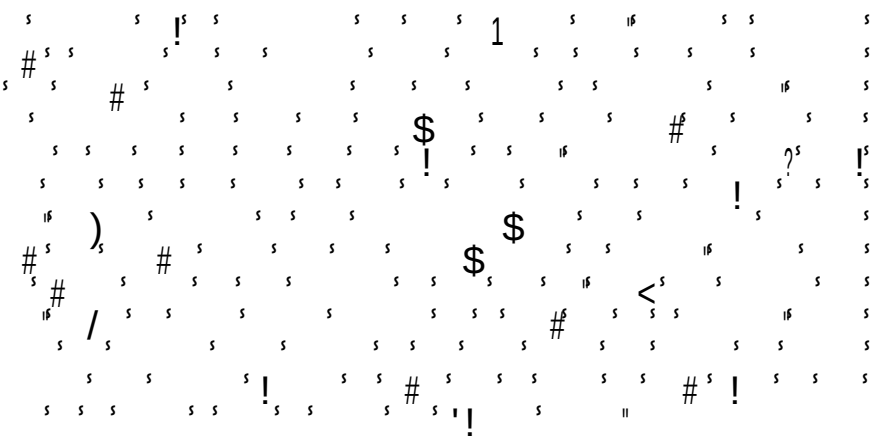

915' 7/5.' 5;-1*2' DL"L! ' /4.,-' .91-.> ,129.' >,/-5' 8,' -,?151.,+' .9,' 3</' +,' 7/' 3I ' ;/-.7>' .3' -,/55)-,' 3)-5,7?,5' .9/.' .9,' /=3?,' +,5<-1;.13*' 8/5' *3.' 3?,-+-/8*' 3' X 15' /' .,--1=7,' 817+' 23-2,' .9,' 3I ' =).' .9,' +/>5' 89,*' 8,' </*' 437738' /' 83)*+,+' =3/-' .9-3)29' 3=5./<7,5' 5)<9' /5' .935,' 9/?,' ;/55,+' /8/MR' 9,' =3/-5' 8,' 8,-,' .37+' /-,' 5.177' .9,-,' /*+' 53' /-,' .9,' ?)7.)-,5' 1*' .935,' :/2*141<,*.' <-/25' R,' <71:=,+' /73*2' .9,' 7,+2,5' /*+' .9,-,' 8,-,' .9,' 2-,/.' 5.1<0=)17.' *,5.5' ,/<9' 1*' 1.5' /*<,5.-/7' 51.,' *' # /-<9' ,/<9' <3*./1*5' /' 51*27,' ,22B' *38' D ;-17' .9/.' 15' -,;7/<,+' =>' /' 7,/+,*9),+' <91<0' 9,5,' <71445' /-,' /753' .,*/*.,+' =>' -/?,*5' /*+' /' 51*27,' ;/1-' 34' <93)295' ,;;9-3*5' 3<<);1,+' .9,' 5/:,' </?,-*' 89,*<,' ' 593.' /' 4,:/7,' 1*' L&' ' /*+' <-/2 :/-.1*5' 9,7+' .9,1-' 37+' /=3+,5' ;7/5.,-,+' 3*' .3' .9,' -3345' 34' .9,' </?,5

5' ;-17' /+?/*<,5' /' *,8' /*+' 5.-101*2' =1-+ 43-:' /--1?,5' .3' /+3-*' .9,' 9129,-' 51,--/5A .9,' 7,/5.' 3=5,-?/*.' </*' 5</-<,' :155' .915' .9,' -3<0 .9-)59' "@ ' & ' <3*5;1<)3)5' /710,' 1*' ;7):/2,' /*+' /<.13*5B 81.9' <7,/-' =),' 9,/+' /*+' <9,5.*).' =-,/5.' 1.5' <373)-5<9,:,' 1*<7)+,5' /' =-3/+' ;/.<9' 34' 891.,' 5,.' 1*' .9,' <,*.-,' 34' /' +/-0' =/<0 D 9,' <3*.-/5.' 15' :35.' ,44,<.1?,' /*+' 53' 4/-' /5' 8,' 0*38' .915' R4/5913*H' 34' /' 891.,' =/<0' 15')*16),' /:3*2' =1-+5')1+,55' 1*+,,+' 1.' =,' 59/-,+' =>' 3*,771 5',/27,' 9,' -3<0' .9-)59' 15' /753' ,*+38,+' 81.9' /' 73?,7>' 817+' 53*2' 6)1.,' 738' /*+' 51:;7,' =).' -,;7,.,' 81.9' /' 41*,' G 9129 .3;5H' 6)/71.>' >' ;-17' !' 9,' >1,7+5' .3' ?,-*/7' 1:;)75,5' /*+' 915' <3)-.1*2' 15';-,..>' .3' 5,,B 89,,71*2' /-3)*+' 3*' .-/*5;/-,*.' ;1*13*5' 9,' 53/-5' /*+' 51*25' .9,' 71?,73*2' +/>B /.' 1*.,-?/75' 81.9' <377/;5,+' 81*2' 9,' +-3;5' 710,' /' 5.3*,' .3' E31*' 915' 53=,-9),+' :/.,' /:3*2' .9,' -3<05B /' 4,8' ;1<.)-,56),' ;35,5' +15;7/>1*2' /77' .935,' 47/591*2' .1*.5' 34' 3-/*2,

/*+ˢ 3;/7ˢ /*+ˢ 344ˢ 9,ˢ 23,5ˢ /2/1*ˢ .3ˢ 53/-ˢ /*+ˢ 51*2ˢ 3*<,ˢ :3-,ˢ 15ˢ
<3)51*ˢ .9,ˢ =7), .9-)59ˢ 9/5ˢ /753ˢ /ˢ 58,,.ˢ 53*2ˢ /*+ˢ /ˢ 51:17/-ˢ
93?,-1*2ˢ 47129.ˢ ,*+1*2ˢ 1*ˢ /ˢ Gˢ+-3;ˢ /<.ˢ HˢBˢ =).ˢ .9,ˢ /5<,*.ˢ 15ˢ :3-,ˢ
?,-.1</7ˢ 8917,ˢ 4-,6),*.7>ˢ 9,ˢ ?/-1,5ˢ .9,ˢ +,5<,*.ˢ /*+ˢ <3:,5ˢ
47)..,-1*2ˢ +38*ˢ 1*ˢ .-,, ;1;1.ˢ 3-ˢ =)..,-47> 710,ˢ 5.>7,ˢ ?,*ˢ .9,ˢ
53=,-ˢ 71..7,ˢ =7/<0<9/.ˢ *38ˢ G 59385ˢ 34. Hˢ ;,-<9,+ˢ 3*ˢ 53:,ˢ =3)7+,-ˢ
81.9ˢ 6)1?,-1*2ˢ 81*25ˢ /*+ˢ ./17ˢ 5;-,/+ˢ 4/* 710,ˢ 3?,-ˢ 915ˢ =/<0ˢ
3.9ˢ .9,5,ˢ .83ˢ 7/5.ˢ =,1*2ˢ -,51+,*.ˢ *,5.ˢ :)<9ˢ ,/-71,-ˢ .9/*ˢ .9,ˢ
:12-/.3->ˢ -3<0 .9-) 59ˢ Vˢ .9,ˢ 7/..,-ˢ 8/5ˢ =)17+1*2ˢ D1*ˢ <-,?1<,5ˢ 34ˢ
.9,ˢ -3<05ˢ =>ˢ :1+ ;-17ˢ =).ˢ 9/-+7>ˢ 7/>5ˢ =,43-,ˢ #/>

9,5,ˢ 51,--/5ˢ =,1*2ˢ 3*7>ˢ %!!!ˢ .3ˢ (!!!ˢ 4,,.ˢ 3*,ˢ :155,5ˢ 9,-,ˢ
53:,ˢ 34ˢ .9,ˢ /7;1*,ˢ 43-:5ˢ 3=5,-?,+ˢ /.ˢ 9129,-ˢ /7.1.)+,5ˢ 9,ˢ
./8*>ˢ ;1;1.ˢ 43-ˢ ,C/:;7,ˢ /ˢ 5/*+> 9),+ˢ =1-+ˢ 81.9ˢ +/-0ˢ ,>, 5.-1;,ˢ
/*+ˢ /<.1?,ˢ 8/2./17 710,ˢ 2/1.ˢ 891<9ˢ 8/5ˢ <3::3*ˢ 3*ˢ /*ˢ -15.3=/7ˢ
/.ˢ (M!!ˢ 4,,.ˢ 1*ˢ ;-17ˢ *,?,-ˢ 5938,+ˢ);ˢ 9,-,ˢ /.ˢ /77Bˢ *3-ˢ +1+ˢ /*>ˢ
34ˢ .9,ˢ 4377381*2ˢ 5;,<1,5ˢ /77ˢ 53ˢ <9/-/<.,-15.1<ˢ 34ˢ .9,ˢ 9129,-ˢ 2-3)*+ˢBˢ
7/<0 5./-.5ˢ 833+7/-05ˢ -3<0 =)*.1*25ˢ <37,ˢ /*+ˢ 73*2./17 .1.5ˢ /*+ˢ
.-,, <-,,;,-5ˢ 9,ˢ <93)295ˢ 5;3..,+ˢ 833+E ,<0,-5ˢ -3<0 .9-)59,5ˢ
<-/2 :/-.1*5ˢ /*+ˢ 833+ ;12,3*5ˢ .93)29ˢ 3=5,-?,+ˢ 8S,-,ˢ 9,-,ˢ ?,->ˢ
:)<9ˢ 5</-<,-ˢ 9,ˢ 7/::,-2,>,-ˢ .33ˢ -/-,7>ˢ +,5<,*+5ˢ 9,-,ˢ /*+ˢ
.9,*ˢ 3*7>ˢ 8917,ˢ 1*ˢ 915ˢ 5:30, =7/<0ˢ)*143-:ˢ 34ˢ 1::/.)-1.>

* ˢ 7 / / ˢ ˢ 7 ! 6

*ˢ #/>ˢ L&&%ˢ 8917,ˢ -,.)-*1*2ˢ 4-3:ˢ =-1D[),ˢ 3)-ˢ 93-5,5ˢ 4,77ˢ
7/:,ˢ 381*2ˢ .3ˢ 7355ˢ 34ˢ 593,5ˢ /*+ˢ 43-ˢ 43)-ˢ +/>5ˢ /*+ˢ *129.5ˢ 8,ˢ
8,-,ˢ ,*</:;,+ˢ 1*ˢ .9,ˢ ;/55ˢ 0*38*ˢ /5ˢ .9,ˢ),-./ˢ +,ˢ /73:/5ˢ
9,-,ˢ 15ˢ /ˢ .1*>ˢ ˢ 3-ˢ 8/>51+,ˢ 81*, 593;ˢ /.ˢ .9,ˢ 433.ˢ 34ˢ
.9,ˢ ;/55Bˢ =).ˢ *129.5ˢ /-,ˢ 8/-:ˢ 1*ˢ 97/>ˢ /*+ˢ 8,ˢ ;-,4,--,+ˢ .9,ˢ
4-,,+3:ˢ 34ˢ .9,ˢ 3;,*ˢ 9177ˢ 8+1,-,ˢ .9,ˢ 5.-/*2,ˢ 2-3875ˢ :/+,ˢ 7>ˢ
.9,ˢ 2-1443*5ˢ /.ˢ +/8*ˢ .32,.9,-ˢ 81.9ˢ .9,ˢ /8/0,*1*2ˢ </-37ˢ 34ˢ .9,ˢ
-3<0 .9-)59ˢ 43-:,+ˢ 3)-ˢ -,?,177,ˢ ,/<9ˢ :3-*1*2ˢ 1*ˢ .9/.ˢ -3347,55ˢ
=,+-33:ˢ /:1+5.ˢ .9,ˢ =3)7+,-5

9,ˢ 3f^;351.,ˢ 51+,ˢ 34ˢ .9,ˢ ;/55ˢ 15ˢ +3:1*/.,+ˢ =>ˢ .9,ˢ ;1<.)-,56),ˢ
;17,ˢ </77,+ˢ .9,ˢ 1</<93ˢ +,7ˢ 7E1=,ˢ /ˢ <3*1</7ˢ ;,/0ˢ .9/.ˢ .38,-5ˢ 1*ˢ
.1,-5ˢ 34ˢ <-/25ˢ /=3?,ˢ .9,ˢ /+E31*1*2ˢ 51,--/5ˢ *3.ˢ)*710,ˢ /ˢ 212/*.1<ˢ
-.9)-5ˢ ,/.ˢ 3?,-ˢ .9,ˢ /715=)->ˢ -/25ˢ)-ˢ 38*ˢ 51+,ˢ 8/5ˢ -/.9,-ˢ
/ˢ <9/3.1<ˢ E):=7,ˢ 34ˢ +,./<9,+ˢ :3*371.95ˢ .9/*ˢ <71445ˢ ;-3;,-ˢ /*+ˢ =>ˢ
<7/:=,-1*2ˢ 3?,-ˢ .9,5,ˢ 8,ˢ -,/<9,+ˢ 1*ˢ 3*,ˢ :3-*1*2ˢ 51C.,,*ˢ ?)7.)-,5ˢ
*,5.5ˢ .9,ˢ ,/51,5.ˢ 34ˢ /<<,55ˢ 8,ˢ ,?,-ˢ 5.-)<0ˢ 9,>ˢ 8,-,ˢ :35.7>ˢ
?,->ˢ 57129.ˢ /44/1-5ˢ =/-,ˢ -3<0ˢ 34.,*ˢ ;-3.-)+1*2ˢ .9-3)29ˢ .9,

scanty structure; though, where necessary, a broad platform of sticks was provided—as sketched. The poults (only one in each nest) were now as big as guinea-fowls, with brown feathers sprouting through the white down. These eyries, albeit slightly malodorous, are always strictly cleanly, since vultures feed their young by disgorging half-digested food from their own crops, and we watched this not-pleasing operation being performed within some eighty yards' distance; hence there is no carrion or putrefying matter lying about, as is the case with the neophron and lammergeyer.

GRIFFON VULTURE FEEDING YOUNG—PUERTA DE PALOMAS, APRIL 10, 1910.

These eyries were situate on three great outstanding stacks of rock, and during the scramble we came face to face with a pair of eagle-owls solemnly dreaming away the hours in the recesses of a cavern, though no sign of a nest was discovered. The caves were shared by crag-martins, whose swallow-like nests were fixed under the roof, usually just beyond reach. Their eggs are white, flecked with grey. On May 18 we obtained here a nest of the rock-thrush with five beautiful greenish-blue eggs. It was built in a cranny of the crags.

This year (1910) found us once more in the Puerta de Palomas, the date April 8. On rounding the Sierra de las Cabras, as L. was already far up the hillside, I rode forward intending to ascend at the north end and work back, thus meeting in centre. A succession of mischances, however, upset that plan. A small clump of ilex clung to the steep above the point whereat I had left the horses, and in traversing this, I walked right into a calf concealed beneath a lentiscus. Knowing that this might involve trouble should its half-wild mother be within hearing, I gently retreated,

=).' 9/-+'=>' 5.) : =7,+'3*' /' 5,<3*+'</74' ,?,*' 5 : /77,-' 1*' /*3.9,-' =)59' 3' L' : ,/*8917,' 9/+' 2/1*,+' 1.5' 7,25' /*+'=7,/.,+' 534.7>' 9,-,' 437738,+' /' <-/59' / : 3*2' .9,' =)59' /=3?,' /*+' /5' 41,-<,' 73301*2' /' 817+' =,/5.' /5' ,?,-' ' 5/8' D/*+' ' 9/?,' 5,,*' 53 : ,' </ : ,' 9)-.71*2' +38*' .935,' -)22,+' R3<05' /.' / : /I1*2' 5;,,+' *' 5,,1*2' : ,' D7)<017>' 53 : ,' 71..7,' +15./*<,' 4-3 : ' 9,-' 38*' 3445;-1*2' .9,' 1*4)-1/.,+' : 3.9,-' ;)77,+') ;' 4)77 4/<,A /' ;-,..>' ;1<.)-,' =).' -/.9,-' : ,*/<1*2' ,5;,<1/77>' /5' 59,' 0,E .');' /' :)..,-,+' =,7738 1*2' 93--1=7>' ,736),*.' ' 9/+' 51+7,+' /73*251+,' /' .-,,B =).' /<3' 893' </--1,+' : >' 2)*' 81.9' .9,' -,<07,55' 5;1-1.' =,23..,*' 34' .9,' =)77 4129.' =37+7>' /++-,55,+' .9,' ,*, : >' 1*' 3;;-3=-13)5' .,-: 5' 9,' 3*7>' -,5)7.' 8/5' .9/.' 59,' </ : ,' 5.177' *,/-,-' /*+' ' 58)*2' .3' /' 738,-' =-/*<9' /<3' *3.91*2' +/)*.,+' *38' .-1,+' 5.3*,5' D1*' /++1.13*' .3',C;7,.1?,5' /*+' 1.' 8/5' .3' : ,' /.' 7,/5.' /' -,71,4' 89,*' .9/.' <38' /.' 7,*2.9' -,.1-,+' 9,' 9/74 817+' 5/?/2,' : />' ,/517>' =,' : 3-,' +/*2,-3)5' .9/*' .9,' .-)7>' 817+' 9,' 43-: ,-' 9/?,' 735.' 53 : ,' 34' .9,1-' ;-15.1*,' -,5;,<.' 43-' : /*' /*+' 34' <3)-5,' 3*,' 9/5' 7,55' : ,/*5' 34' +,4,*<,

915' 1*<1+,*.' 3?,-' 8,' <3 : : ,*<,+' .9,' <71 : =' 9,' -3<0 5./<0' -35,' ?,-.1</77>' /=3?,')5' =).' 8,' +1?,-2,+' .3' .9,' -129.' /5' /443-+1*2' /*' ,/51,-' -3).,' *' -,/<91*2' .9,' +,51-,+' 7,?,7' 938,?,-' ' 43)*+' 1.' 1 : ;3551=7,' .3' : /0,' 233+' .9/.' 1*.,-?/7' 3*' 3)-' 7,4.A /' 5 : 33.9' -3<0 4/<,' +,?31+' 34' 9/*+937+' /*+' .33');-129.' .3' .-/?,-5,' 43-=/+,' /77' 7/.,-/7' : 3?,:,*.' ;' 8,' 8,*.' /*3.9,-' .8,*.>' >/-+5' .9,*' /*3.9,-B =).' /78/>5' .3' 41*+' .9/.' 571.9,->' -3<0 4/<,' : 3<01*2' 3)-' ,443-.5' .3' 3)47/*0' 1.' ,' 8,-,' *38' 8,77' /=3?,' .9,' -3<0 5./<0' 3?,-73301*2' .9,' ,>-1,5' /*+' ' <3)7+' 5,' .83' 2-1443*5' =-33+1*2' /*3.9,-' 4,,+1*2' /' ;3)7.' <735,' =>') .' =,.8,,*')5' 8/5' /' 2-,/.' 2)74' 41C,+' /*+' .9/.' 2)74' 5.3;;,+')5' 9,' 3=?13)5' /7.,-*/.1?,' 8/5' .3' +,5<,*+' /*+' .->' /2/1*' 4-3 : ' /' 4-,59' ;31*.') .' 9,-,' /' *,8' +1441<)7.>' 4/<,+')5' V' 8,' <3)7+' *3.' +,5<,*+' ,' 9/+' <3 : ,');' =>' 43773 81*2' /' 5,-1,5' 34' ?,-.1<' 7' 4155)-,5' 3-' G' <91 : *1,5 H' *3*,' .33' ,/5>' 51*<,' ,?,->' <-,?1<,' 59,7.,-,+' 53 : ,' ?1<13)5' ?,2,./.13*' ,/<9' : 3-,' 5;10,>' /*+' .93-*>' .9/*' .9,' 7/5.' .177' 4-3 : ' =' 3*,' </*' /78/>5' 5,7,<.' /' 9/*+937+' 53 : ,89,-,' /*+' .9,*' +,4>' .9,' .93-*' B' 89,-,/5' 3*' 73301*2' 6= ' *3.91*2' 15' ?151=7,' =).' /' ?/*1591*2' 3).71*,' 34' -3<0' /*+' 23-5,' ;3-<);1*,' =-33 : ' 3-' ;/7 : ,..3A =,>3*+' 15' ?/</*.' 5;/<,' /*+' /' 59,,-' +-3;' /.' .9/.' ' *' /' 83-+' 8,' <3)7+' *,1.9,-' +,5<,*+' *3-' : 3?,' 7/.,-/77>' .' 8/5' 9) : 171/.1*2A ,?,*' : 3-,' 53' .9/*' .9,' /*.,<,+,*.' 1*<1+,*.' 81.9' /' 52@*

; *

,' -,53)-<,'-, : /1,+A .3' <71 : =' 3*' .3' .9,' .3;'B /*+' ,?, *' 1*' .9/.' +1-,<.13*' /' 51*27,' =/+' -3<0' : 129.' <).' 344',5</;,' 3' 5)<9' <-38*1*2' </./5.-3;9,' =,4,77' =).' 1.' 8/5' .33.9 /*+ <7/8' 83-0' ,?,->' >/-+' 34' 1.' /*+' .9,' ?,-.1</7' 9,129.' <3)7+' *3.' 9/?,' =,,*' 7,55' .9/*' L!!!' 4,,.

917,' .9)5' G' <7/81*2');'H' '-,<377,<.' ;/551*2' /';,-4,<.' 273->' 1*' 3-<91+5A 2-,/.' .81*' ;)-;7,' =733 : 5' 237+,* .1;;,+' /*+' 6)1.,' /:3-;93)5' 1*' 3).71*,' 9,>' 2-,8' E)5.' =,>3*+' : >'-,/<9')-13)5' -,<) : =,*.' 4,-*5' <7)*2' .3' .9,' -3<05B /*,:3*,5' /*+' ?137,.710,' =3)6),.5';,,-,+' 4-3 :' ,/<9' <-/**>

#,/*8917,' '/;;-3/<91*2' 4-3 :' .9,' 3.9,-' 51+,' 9/+' ,C/ : 1*,+' .9,' -3<0 5./<05' /*+' 5)<<,,+,+' 1*' /../1*1*2' 3*,' : /1*' 3=E,<.1?,A' .9,' *,5.' 34' .9,' ,/27,387' 915' 8/5' 1*' /' -3<0 </?,-*' <735,' =>' .9/.' 34' &%' ,/5>' 34' /<<,55A 1*+,,+' .9,' 2-,/.' 387' 47,8' 3).' 1*' 915' 4/<,' /5' 9,' ;/55,+' =,738' 9,' </?,' D43)-' 4,,.' 9129' =>' .83' 81+,' 8/5' /.' .9,' 433.' 34' /' ?,-.1</7' 71 : ,5.3*,' <7144' 1.5' 4733-' 7,?,7' 81.9' /' 23/. .-/<0' .9/.' 501-.,+' .9,' <-/2' /*+' 4)77>' ,C;35,+' .3' ?1,8' B' .9,-,' 8/5' *3' *,5.' *3-' /*>' +,=-15' 83' >3)*2' 3875' 1*' 891.,' +38*' 81.9' 3*,' ,22' /<.)/77>' G' <91;;1*2 H' 7/>' 3*' .9,' =/-,' ,/-.9

,' 34' .9,' 2-1443 5' *,5.5' 5.177' <3*./1*,+' D3*' ;-17' &' /' 4-,59' ,22' 891<9' 15' *38' 1*' .9,' 8-1.,-5' <377,<.13*' /5' /' :,:3-1/7' 34' .9/.' +/>' ,' 9/+' 5,<)-,+' /77' 8,' 9/+' ,C;,<.,+' 1*' .9,'),-./' +,' /73 : /5A /*+' 53 : ,.91*2' : 3-,' =,51+,5

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' ' #' ' $

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' 15' /' 7/*+' "6' 473<05' /*+' 9,-+5' 34' =-,,+,-5' /*+' 2-/I1,-5' .' .9,' 9,/+' 34' .9,' 5</7,' 5./*+5' .9,' 41549.1*DE=)77' :3*/-<9' 34' .9,' -1<9,5.' B /.' .9,' 3;;351.,' ,C.-,:,' <3:,' .9,' 59/22>' 71..7,' ;3*1,5' /*+' =-33+:/-,5' .9/.' ,0,' 3).' /' 4,-/7' /*+' ;-,</-13)5' 5)=515.,*<,' 1*' .9,' 817+,5.' -,213*5' 9-3)293).' .9,' :/-15:/5' 9/-+>' =,/5.5' 81.9' 817+=-,+' ;-32,*>' 3*' 891<9' *3' 9):/*' 9/)+' 9/5' ,?,-' 7/1+' /=3)*+' 2-/I1*2' 0*,,+,,;' 1*' 8/.,->' 817+,-*,55,5' 89,-,' ./5.,7,55' -,,+' 3-' 81->' 5;,/-2-/55' /443-+' /'=/-,' 5)=515.,*<,

9,-,' .9,>' 71?,' 5;7/591*2' 1*' .9,' 59/+385' 9,/+5' 9/74 1:::,-5,+' /5' .9,>' ;)77');' 5)=/6)/.1<' 9,-=/2,B 3*' .9,' =/<0' 34' 3*,' -1+,5' ;,-<9,+' /' 5*38 891.,' ,2-,.' 3*' /*3.9,-' /' <3);7,' 34' :/2;1,5' ;-,>1*2' 3*' .1<05' 3-' 8/-=7,5' 8917,' /77' /-3)*+' 581:' 817+4387' .9/.' 5</-<,' +,12*' .3' :3?,' /51+,

3' 4387,-' <3)7+' ?1,8' 5)<9' /' 5<,*,' 81.93).' ;,-<,1?1*2' .9/.' /;;-3/<9' .3' .9,' 817+4387' :129.' =,' ,44,<.,+')*+,-' <3?,-' 34' .9,5,')*5)5;,<.,+';3*1,5' 9,' ,/-71,5./)<1;1/7' :1*+';-3=/=7>'-,/715,+' .9,' /+?/*./2,' 344,-,+' /*+' .9,' 5>5.,:' 9/5'=,,*';-/<.15,+' 1*' ;/1*' 4-3:' .1:,' 1:::,3-1/7

9,' :,.93+' 15' 51:;7,' 9,' ;3*1,5' D.,-:,+' 89,*' .-/1*,+' 3-' G +,<3>5H' 5,,:' =>' 1*.)1.13*' .3' -,/715,' 89/.' 15' -,<E)1-,+' >' /' <3-+' /../<9,+' .3' .9,' 9,/+5./77' .9,' 4387,-' <-3)<91*2' =,91*+' .9,' 593)7+,-' +1-,<.5' 915' ;3*>5' <3)-5,' .38/-+5' .9,')*<3*5<13)5' 4387' .' 1*.,-?/75' 5.177' 4)-.9,-' .3' +15/-:' 5)5;1<13*' 4,12*,+' 9/7.5' /-,' :/+,' /5' .93)29' .3' 51:)7/.,' 2-/I1*2' ,43-,' <7351*2' 1*' .9,' *35,<3-+' 15' :/+,' 4/5.' .3' .9,' *,/-' 43-,@ 0*,,' .9)5' 937+1*2' .9,' ;3*>5' 9,/+' 8,77' +38*' -,5,*.7>' .9,' U7)<05' /-,' 81.91*' 9/74' 2)*593.' /*+' 8,' /:/.,)-5' D8935,' +3)=7,+' =/<05' /<9,' ,C<-)<1/.1*27>' 4-3:' /' <3*5.-/1*,+';351.13*' :/1*./1*,+

43-' 9/74' /*' 93)-' ';-/>', /<9' :3:,*.' 43-'-,71,4' /*+' .9,' 512*/7' .3' 41-,' 3'X)-'4387,-4-1,*+5'5933.'43-'/'71?,71933+'/*+'<3*.1*),' 81.9' :/-?,773)5'50177' /*+';/.1,*<,'53'.3':/*<)?-,'.9,1-'=,/5.5' .9/.'.9,')..:35.';3551=7,'./-2,.'59/77'41*/77>'=,';-,5,*.,+'.3'.9,' =-3/+51+,' 9,-,'15'*3'9)-->A*3-'.1:,'*3-'/<91*2'?,-.,=-/,' 81.9'.9,:'<3)*.'3*,'<,*.1:,' D ,';93.3'/.';'"!

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let us here admit that, being fowlers as well as naturalists, our observance of the phenomenon has usually been carried out upon a *lucio* which happens to terminate towards the N.E. in a long narrow bight fringed by tall reeds and bulrush, where, concealed in friendly covert, we can continue the observation while glancing along the barrel of a punt-gun. That secondary fact is merely incidental and, it so happens, facilitates the main object.

A mile to windward three such armies are mobilising separately within the scope of our view; and now the gentle force of that sea-breeze begins to impel those unconscious hosts, too preoccupied with all-absorbing passion to notice detail, directly towards the point whereat we lie concealed.

REED-BUNTING
A winter visitor to the marismas.

By this time the sun has three or four hours of declension and the thin dark line representing thousands of surging atoms has drifted down to within 200 yards. We can study at short range an amazing phenomenon. In weird exuberance they fight and flirt, chase, cherish, and flap till churned water flies in foam and a discordant roar of sibilant sound fills to the zenith the voids of space. The volume of voices defies description since these assembling multitudes belong to no single species, but include a promiscuous agglomeration of all that care to enlist, and each adds its own distinctive element to the general uproar.[1] Around the floating host new-comers buzz like swarming bees, each seeking some spot to wedge itself into the crowd.

To-night the main *corro* that we had been awaiting drifted past our front a trifle beyond effective range. The two that followed both "took the ground" and remained stationary, away to the right. The chance of making a great shot had failed; but we were content to watch the phenomenon to its finish.

Now the sun dips. The western sky is filled with golden glory; in twenty short minutes darkness will have enveloped

[1] One feels convinced, while lying listening, that these exuberant fowl invent and formulate a series of new notes and cries special to the occasion and outside their normal vocabulary. Hence, possibly, originated the use of the term "*Corro.*"

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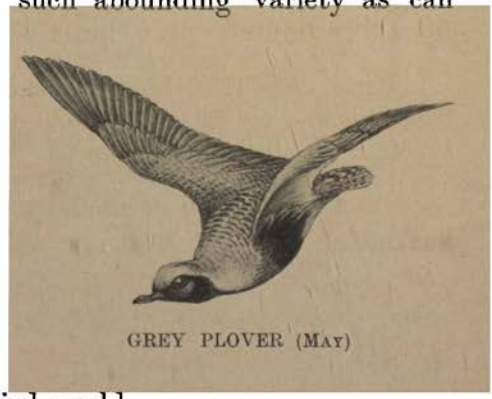
CHAPTER XXXIX

SPRING-TIME IN THE MARISMAS

BIRD-LIFE IN A DRY SEASON

BIRD-LIFE in the Spanish marisma—in spring no less than in winter—presents spectacles of such abounding variety as can nowhere in Europe be surpassed. In the Arctic are vaster aggregations, but these, comprising, say, only half-a-dozen species, are less attractive. It is the infinite kaleidoscopic succession of graceful and dissimilar forms that hour by hour flash on one's sight—in a word, it is variety that lends abiding charm to our Spanish bird-world.



GREY PLOVER (MAY)

These scenes have already been described—we have ourselves described them in detail, and do not propose to recapitulate, alluring though the subject be.

Here we purpose depicting bird-life under undescribed conditions—in a spring when, by reason of exceptional drought, the myriad marsh-dwellers find themselves entirely at fault. Winging their seasonal way from Africa, to seek the seclusion of reed-girt pools and their accustomed league-long swamps and shallows, they found instead a calcined plain, no drop of water remaining, plant-life either prematurely parched or pulverised beneath a fiery sun. Watching the arrival of the advance-guard in early spring, one wondered what the bewildered hosts would do next, how they would face this fresh freak of nature.

The marismas, it should be explained, normally dry every summer, however wet the previous winter may have been.

93)29' .9,' 2-,/.' '5.33+'41?,'4,,.'+,,;'1*' ,=-)/->'>,.' .9,' +,,;,5.' 8177' =,' 5.3*, +->'=>' :1+5): :,-'3-'/.'7/.,5.'=>' .' /23' D)7>' (' /..7,'/*+'.9,'817+ 2/:,'</*'.9,*'3*7>'+-1*0'/.'.9,' */--38,+' ;3375' 89,-,' ;,-:/*,*.'8/.,-'938,?,-',C12)3)5'331,5' 43-.9 A 3-'.9,' </..7,'4-3:'8R,775' *' *3-:/7'>,/-5'938,?,-'.9,' :/-59 =1-+5'9/?,'/7-,/+>'-,/-,+'.9,1-'=-33+5'=,43-,'.9,5,'+/.,5).'1*'>,/-5'34'+-3)29.A 89/.'-,53)-<,'9/?,'.9,>'89,-,'</*' .9,>'41*+'/'5)=5.1.).,'43-'.9,1-'5)*+,5.-3>,+'/*+'+,537/.,' 'F # /*>'D.9,'8/+,-5'1*' ;/-.1<)7/-'1*5.1*<.1?,7>' ;-32*35.1</.,'/'+-3)29.B 4,8'<3:;/-/.1?,7>',1.9,-'<3:,'3-' -,:/1*A .935,'.9/.'<3:,';/55'3*' ?,*'5)<9'=1-+5'/5'=-,,+'3*' ;,-:/*,*.'+,,;8/.,-'7/0,5'D5)<9'43-',C/:;7,'/5'.9,'5:/77,-' 9,-3*5',2-,.5'/*+'1=15,5';,-<,1?,'1*'/+?/*<,'.9/.'/7.93)29'.9,>' :/>'9/?,'8/.,-'/55)-,+'.9,-,'8177'*,1.9,-'=,'5)441<1,*.'<3?,-.' 7/.,-'3*'.3'<3*<,/7'.9,1-'*)-5,-1,5'*3-'433+'43-'.9,'-,/-1*2'34' .9,1-'>3)*2' 9,',-,8917,5'.,,:1*2'9,-3*-1,5'/-,'/=/*+3*,+ ,?,-'81.91*'43-.>',/-5'9/5'.9,-,'3<<).-,+'/'+-1,-'5,/53*' .9/*'.915'7/5.'L"!" L!' *<1+,*./77>'8,':/>'-,:/-0'.9/.':35.' 34'.9,';-,?13)5'5;-1*2.1+,5'.9/.'8,'9/+',C;-,557>'+,?3.,+'.3' .9,':/-15:/'9/+'=,,*'>,/-5'34',C<,551?,'-/1*4/77'>,/-5'89,* 47/:1*23,5'*,5.,+'/=)*+/*.7>A /*'))*4/171*2'1*+,C')<9'8/5' L&' '43-',C/:;7,'L&'"'/*+'L&&%'B /2/1*'1*' ;-17'L&"L'8,' -,:,:=,-'3)-'2)**1*2;)*.'</)29.'1*'/'56)/77'51*01*2'=,*,/.9')5'1*'6)1.,'.9-,,'4,,.'34'8/.,-'.93)29'=/-,7>'/'17,'4-3:'593-,' 9,5,'/-,'.9,'5,/53*5'89,*'D/5'+,5<-1=,+'1*' ' 3*,' 5,,5'.9,'8/.,-4387'1*'.9,1-'4)77,5.'/=)*+/*<,' *'.9,';-,5,*.' 3<</513*'DL"L!'8,'8,-,'.3'81.*,55'<3*?,-5,'<3*+1.13*5' 9-3)29@ 3).'.9,';-,<,+1*2'81*.,-'.9,'43)*./1*5'34'9,/?,*'9/+'=,,*'5./>,+' *3-'+1+'.9,'/+?,*.'34'5;-1*2'=-1*2'3*,'93)-'34'-/1*' >' :1+' # /-<9'.9,':/-15:/'8R/5';-/<.1</77>'8/.,-7,55A /'43-.*129.'7/.,-' 5)*=/0,+'9/-+'/5'=-1*05' 9,-,'*38'8,-,'.9,':/-59 =1-+5F' *';-17'3-'#/>'>3)'<3)7+'-1+,'/'73*2'+/>'3?,-'/-1+':)+47/.5' /*+'*,?,-'5,,'/'81*2'=/-'1*'.9,'7/..,-':3*.9'/'4,8'P,*.159' ;73?,1'/*+'47)..,-1*2';-/.1*<37,5'A /++'/'=/*+'3-'.83'34'<-3/0@ 1*2'5/*+2-3)5,'"* ';/551*2'1*'.9,'9129'9,/?,*5' 9,-,'9/+'.9,',C17,+':>-1/+5'23*,'F 3':/*</*/*58$,-

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*,' ;9,*3:,*3*' 5.-)<0')5' /5' 1*,C;71</=7,' 4' .9,' =1-+5' .9/.' +1+' -, : /1*' *3*,' +15;7/>,+' .9,' 57129.,5.' 5> : ;.3 :' 34' >1,7+1*2' .3' .9,' ?,-*/7' 1 : ;)75,' 34' ;/1-1*2' 3-' 34' +,51-1*2' .3' *,5.

7/ : 1*23,5' 43-' ,C/ : ;7,' D89/.' 4,8' .9,-,' 8,-,' <3*.1*),+' : /55,+' 1*' 5371+' 9,-+5');' .3' : 1+ # />' ' =/*+' 34' %!!' .9/.' 8,' ,C/ : 1*,+' <735,7>' 3*' .9,' L .9' /.' .9,' /*3' +,' 7/')*6),-/' D.93)29' 4)77>' "!' ;,-' <,*.' 8,-,' /+)7.5' 1*' ;,-4,<.' ;1*0' 4,/.9,-' <3*./1*,+' *3.' /' 51*27,' ;/1-,+' <3);7,' /-+' =>' .9,' 47/ : 1*23,5' 53 : ,' 43-.>' 3-' 414.>' 5;33*=1775' 8,-,' 4,,+1*2' 9,5,' 7/5.' >,/-' *,5.,+' /.' .915' 5;3.' =)17+1*2');3*' 3-' / : 3*2' .9,' 738' 5/ : ;91-,' 5<-)=A /' +/*2,-3)57>' 3;,*' 51.)/.13*' 43-' 5)<9' =12' /*+' <3*5;1<)3)5' =1-+5' 915' 5;-1*2' .93)29' : /*>' -, : /1*,+' 1*' .9,' : /-151*/' *3.' /' 5;33*=177' *,5.,+' 1*' .9,' +15.-1<./.' /77' 7/ : 1*23,5' =>' .9,' 8/>' 9/+' ,C91=1.,+' ,C.-, : ,' -,5.7,55*,55' .9-3)293).' .9,' 5;-1*2' *' ,=-)/->' ' 43-' ,C/ : ;7,' 8917,' 5.,/ : 1*2');' .9,' .-/1.5' 34' $-1=-/7./-' 8,' +,.,<.,+' .9, :' 1*' 6)1.,' 1*<-,+1=7,' *) : =,-5' =).' /.' /*' /7.1.)+,' /7 : 35.' =,>3*+' .9,' -/*2,' ,?,*' 34' ;-15 : 27/55,5A 1.' 8/5' /' +1 :' 51 : 171.)+,' .3' +-14.1*2' ' .9/.' 41-5.' </)29.' 3)-' ,>,' 3' ?/5.' 8/5' .9,1-' /,-1/7' ,7,?/.13*' .9/.' 1.' 8/5' 3*7>' /4.,-' ;-373*2,+' ,C/ : 1*/.13*' 8,' /.' 7,*2.9' -,<32*15,+' .935,' -,?37?1*2' 2-,>' 5;,<05' /5' =,1*2' =1-+5' /.' /77B ;-,5,*.7>' /' *,/-,-' =/*+' +1-,<.7>' 3?,-9,/+' -,?,/7,+' .9,1-' <9/-/<.,-15.1<' 1+,*.1.>' 9,' =)70' 34' .9,5,' 9,7+' /' 53).9,-7>' .,*+,*<>' .38/-+5' 4-1</B 3.9,-5' +-14.,+')*+,<1+,+B 8917,' 5,?,-/7' =/*+5' 9/7.1*2' =,.8,,*' .83' 3;1*13*5' 89,*' 735.' .3' 5129.' 8,-,' 89,,71*2' =,>3*+' .9,' ;/*159' 91775

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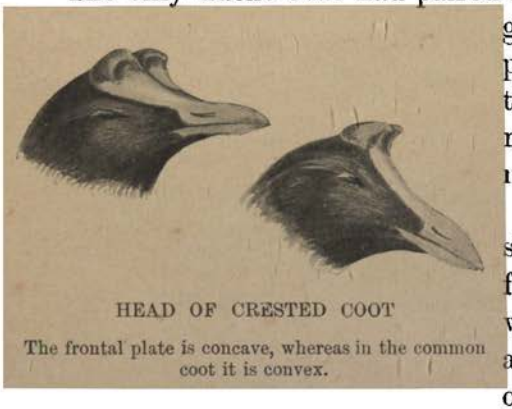
Spain before, not even in winter. This was at the Hondon. A similar phenomenon was observed with the white-faced ducks. These curious creatures also remained in packs, and without sign of pairing, on the open waters of Santolalla—open only because aquatic plants had forborne to grow. In normal seasons these lakes are studded with great cane-brakes and islanded reed-jungles, within whose recesses these amphibians build their floating homes. This spring not a reed had grown—partly owing to cattle having destroyed the earlier shoots which are usually protected by deep water. There was literally no covert within which these ducks (and the swarming coots and grebes) could breed, even were they so minded—which they were not!

The only ducks that had paired in earnest were gadwall, garganey, common and white-eyed pochard (of which the first three nest here in very limited numbers), together with normal quantities of mallard.



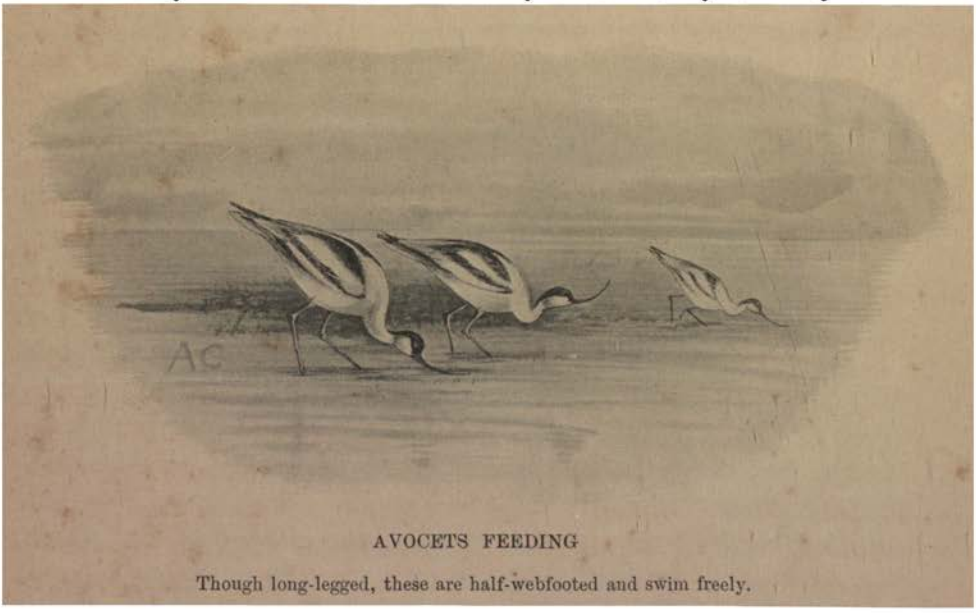
HEAD OF CRESTED COOT

The frontal plate is concave, whereas in the common coot it is convex.

A collateral result of the shortage of water wrought yet further havoc among the birds which had elected to remain, and accentuated the prescience of those that had departed. Nesting-places, ordinarily islanded in mid-water, were now left stranded on dry land and thus open to the ravages of the whole fraternity of four-footed egg-devouring vermin. Many species, we know, foresee such risks and invariably avoid them; others, less prudent, make the attempt and lose their labour. The white-eyed pochards, for example, which are accustomed to nest in islanded clumps of rush and dense aquatic grasses, this year simply provided free breakfasts to rats and ichneumons! We happened to require two or three settings of these ducks to hatch-off under hens, but no sooner did a marked nest contain three or four eggs than all were devoured! As to the coots, of which both the common and crested species breed in the marisma in myriads, they simply gave it up as a bad business. They did not depart, but resigned themselves to the necessity of skipping a season.

Gulls, great and small, with graceful marsh-terns, floated

spectre-like, surveying in solitude and silence arid wastes where before they had found aquatic Edens. Once or twice we also noticed the small white herons (buff-backed and egret) flying disconsolately over their lost homes. A similar remark would apply to most of the other marsh-breeders — we need not recapitulate them all. Stilts, for example, and avocets remained perforce in single blessedness—the latter in noisy querulous bands, quite wild and showing no tendency to assume spring notes or habits. We *did* chance on a single avocet's nest, where, in other years, we have found hundreds. The same with the stilts—they also retained winter ways. Curiously on May 17—



AVOCETS FEEDING

Though long-legged, these are half-webfooted and swim freely.

the one wet day—two male stilts had a regular set-to over an irresponsive female; the only symptom of their love-making we noticed all that spring!

Here, in the very height of what ought to have been the breeding-season, we had all these birds (and many others), instead of hovering overhead and shrieking in one's ear, flying wild in great packs at 100 yards.

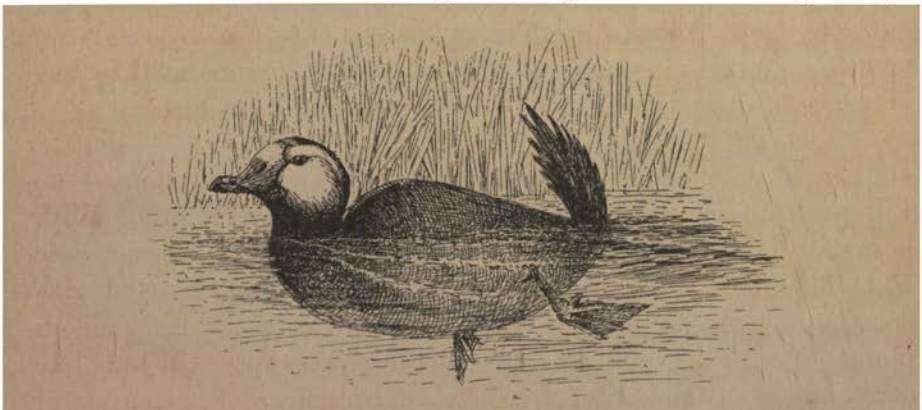
How came it to pass that the normal vernal impulse was neglected for a whole season, unfelt and unrecognised—what was the precise psychological reason? It reads ridiculous to assume that any feathered husband should deliberately remark: "Now, Angelina, don't you agree that it would be imprudent our

/..,:;.1*2'.3'-/15,'/'4/:17>'.915'+-3)29.5.-)<0'5,/53*'F'H' 3-'<3)7+'.9,'*,27,<.'/-15,'4-3:';9>51</7'8,/0*,55'51*<,'.9,'=1-+5'8,-,'5.-3*2'/*+'817+')<9'5;,<1:,*5'/5'8,'593.';-3?,+';7):;'/*+'8,77'4/?3)-,+'.93)29'.9,'2,*,-/.1?,'3-2/*5'+15<735,+'/'9>=,-*/7'3=537,5<,*<,' *,',C;7/*/.13*A 1*+,,+'/'-3)29/*+'-,/+>'+1/2*3515'.9/.'5,,:,+'.3'<3?R,-'.9,'2-3)*+A 8/5'21?,*'=>'/56),I' 38' /56),I'15'3)-'$)/-+/'34'.9,':/-15:/F 9,'15'*3.'5<1,*.141<'=).'9/5'=,,*'1*'<9/-2,'34'.9,'817+,-*,55'/*+'1.5'817+4387'.9,5,'.91-.>'>,/-5'/*+':3-,'.9/*'/77'9,'15'3=5,-?/*.'915'-3)29'0,,;,-';,-9/;5')*+,-5./*+5'.9,'1**,-'71?,5'34'817+@4387'81.9'.9,'</)5,5'.9/.'/<.)/.,'.9,1-':3?,:,*.5'/*+'9/=1.5'=,...,-'.9/*'3)-'=,5.'5<1,*.15.5'/*+' /56),I'.37+')5'1*' ,=-)/->'BG' 915'>,/-'*3'=1-+5'8177'=-,,+'9,-,B.9,'<3*+1.13*5'*,<,55/->'.3' ' ' 'Y71.,-/77>'.3'8/-:')';'.9,'3?/-1,5Z'/-,'8/*.1*2H' 9,'5)=5,6),*.'<3)-5,'34',?,*.5'<3--3=3-/.,+'=>'.9,',?1+,*<,'34'+155,<.13*';-3?,+'.9,'<3--,<.*,55'34'915'43-,</5.

3-'/':3:,*.'8,'-,.)-*'.3'.9,'891.,4/<,+'+)<05A *3')-3;,/*'=1-+43-:'7,55'0*38*'3-':3-,',C.-/?/2/*.'1.9'9,/?>'58377,*'=,/05'6)1.,'+15;-3;3-.13*/.,'1*'511,'/*+';/7,'8/C>=7),'1*'<373)-'81.9'891.,'9,/+5'=7/<0'*,<05'/*+'-1<9'<9,5.*).'=3+1,5'.9,1-'.1*>'81*25'D/5'8,77'/5'.9,'59,,*>'5170,*';7):/2,'-,</77'.935,'34'2-,=,5'=).'.9,>'9/?,'73*2'5.144'./175'710,'<3-:3-/*.5'/*+'/-,':3-,'.,*/<13)5'34'.9,'8/.,-'.9/*',1.9,-'34'.935,'3';)59'.9,:'3*'81*2'15'8,77*129'1:;3551=7,'9,>'5,,0'5/4,.>'1*'.9,':1++7,'8/.,-5'/*+'.9,-,'/=1+,'12*3-1*2'.9-,/.5'3+/>'938,?,-'D#/>'LQ'8,'*,,+,+'5;,<1:,*5'/*+'=>'9)5.71*2'.9,1-'<3:;/*>'=,.8,,*'.9-,,'2)*5'.83':3)*.,+'0,,;,-5'/*+'/*'37+'=3/.'.9/.'7,/0,+'710,'/'51,?,'8,',?,*.)/77>'43-<,+'.9,:'.3'47>'/*+'5,<)-,+'.9-,,'9,>'47,8',*.1-,7>'1*';/<05'D*3.';/1-5'-/-,7>':/*>'4,,./=3?,'.9,'5)-4/<,'=).'81.9'/'5;,,+'71..7,'1*4,-13-'.3';3<9/-+'3-'3.9,-'+1?1*2+)<05'155,<.13*'5938,+'.9/.'1*'/'4,:/7,'.9,'3?/-1,5'9/+'*3.'=,2)*'.3'+,?,73;'.9,-,'8,-,'*3'-1;,'3?/'*3-'9/+'.9,'3?1+)<.'=,,*')5,+'9,'1*'=3.9'.9,':/7,5';-3?,+'/753'.9/.'9,-,'.9,5,'=1-+5'8,-,'*3.'>,.'=-,,+1*2'3-'.91*01*2'34'+31*2'53

'8,,0',/-71,-'938,?,-'/.'/*3.9,-'7/0,'34'6)1.,'+144,-,*.'43-:/.13*'/*+'+144,-,*.';7/*.2-38.9'D.91-.>':17,5'/8/>'8,'9/+'43)*+'.9,5,'51*2)7/-'8/.,-4387'/7-,/+>'*,5.1*2'/*+'/;;,*+'/*3.,'34'.9/.'+/>'VA

Laguna de las Terajes, *May* 8.—A lonely lagoon hidden away in a saucer-shaped basin amidst sequestered downs; almost the entire extent (twenty acres) choked with dense cane-brakes and thick green reeds which stood six or eight feet above water. We had driven hither, nine miles, across sandy heaths and pine-wood; and while breakfasting on the shore our two canoes (carted here yesterday) were got afloat. Meanwhile, on a patch of open water we had observed several white-faced ducks swimming, deeply immersed, and with their long stiff tails cocked upright at intervals, together with some eared grebes; while marsh-harriers slowly quartered the brakes and the reed-beds rang with the harsh nasal notes of the great sedge-warbler. On pushing



WHITE-FACED DUCK (*Erismatura leucocephala*). See also p. 28.

out into the aquatic jungle ahead—no light labour with five feet of water encumbered with densely matted canes and the dead tangle of former growths—we soon fell in with nests of all the species above mentioned and several more. Those of the white-faced ducks consisted, first, of a big floating platform of broken canes, upon which was piled a mass of fine dried "duck-weed"—the coots' nests being formed of flags and reeds alone. None of the ducks' nests contained eggs; probably the season was too early (in other years we have found their great white eggs, rough-grained, about the third week in May), but possibly the harriers had forestalled us, as we found one egg floating alongside. The grebes were just beginning to lay; their nests, composed of rotten floatage, all awash and malodorous, containing one to three eggs. Next we found two nests of marsh-harriers, immense masses of dead flags, two feet high, supported on floating

</*,5‘ /*+‘ 71*,+‘ 81.9‘ 5.1<05‘ 9,/.9,-5./705‘ /*+‘ ;/7:,..3‘ *,‘ 9/+‘ 43)-‘ ,225‘ 9/-+5/.ß .9,‘ 3.9,-‘ .83‘ ,225‘ <91;;1*2‘ /*+‘ .83‘ 5:/77‘ >3)*2‘ 1*‘ 891.,‘ +38*‘ 81.9‘ 5/?/2,‘ =7/<0‘ ,>,5‘ 9,‘ 9/--1,-5‘ ,225‘ /-,‘)5)/77>‘+)77‘ 891.,‘ß 1*‘ 3*,‘ *,5.‘43)*+‘ .915‘>,/-‘ 938,?,-‘ .9,‘ ,225‘ 8,-,‘ 5;3..,+‘ 81.9‘ ;/7,‘ -,+A /;;/-,*.7>‘=733+@ 5./1*5‘ /-+‘=>‘ 8,-,‘ .83‘ *,5.5‘ 34‘.9,‘ ;)-;7,‘ 8/.,- 9,*‘ =3.9‘ 34‘ 891<9‘ 9/+‘ 3=?13)57>‘ =,,*‘ -,<,*.7>‘ -3==,+‘ =>‘ .9,‘ 9/--1,-5‘ *,C.‘ +33-

9,5,‘ <)-13)5‘ =1-+5‘ <71:=‘ .9,‘ ./77‘ 2-,,*‘ -,,+5‘ ;/--3. 815,‘ 2-/5;1*2‘ 43)-‘ 3-‘ 41?,‘ /.‘ 3*<,‘ 1*‘ .9,1-‘ 73*2‘ 5);;7,‘ 9,/?17>‘<7/8,+‘ .3,5ß .9,*‘ 81.9‘ .9,1-‘ ;38,-4)7‘ -,+‘ =,/05‘ *,/.7>‘ <).‘ +38*‘ .9,‘ -,,+5‘ /‘ >/-+‘ 3-‘ :3-,‘ /=3?,‘ 8/.,-‘ 1*‘ 3-+,-‘ .3‘4,,+‘ 3*‘ .9,‘ .,*+,-‘ ;1.9‘ ,-,‘ /*+‘ .9,-,‘ 473/.‘ :/55,5‘ 34‘ .9,5,‘ <).+38*‘ -,,+5‘ 5;71.‘ /*+‘ ,:;.1,+A ‘ .9,‘ */.1?,5‘ </77‘ 5)<9‘ 5;3.5‘).‘ .9,‘ =1-+5‘ /-,‘ 5177>‘ ,*3)29‘ .3‘ <).‘ +38*‘ .9,‘ ?,->‘ -,,+5‘ .9/.‘ 5)--3)*+‘ .9,1-‘ *,5.5A .9)5‘ ,C;351*2‘ .9,‘ 9)2,‘ ;17,+);‘ 5.-)<.)-,5‘ .3‘ .9,‘ 2/I,‘ 34‘ .9,1-‘ .-)<)7,*.‘ *,129=3)-‘ .9,‘ ,22 7Q?1*2‘ :/-59 9/--1,-‘ *5.1*<.‘=/+7>‘ /.‘4/)7.‘9,-,

1.9‘ /‘ +,2-,,‘ :3-,‘ 1*.,7712,*<,‘ .9,‘ ;)-;7,‘ 8/.,- 9,*5‘ :129.‘ /.‘7,/5.‘-,./71/.,‘ =>‘ 8/.<91*2‘ .9,1-‘ 3;;3-.)*1.>‘ /*+‘ :3;;1*2);‘ .9,‘ 9/--1,-5‘ >3)*2‘ 9,>‘ /-,‘ /:;7>‘ ,6)1;;,+‘ 43-‘ 5)<9‘ 83-0‘ 9/?1*2‘ 2-,/.‘;1*<,-710‘=,/05‘ 41.‘ .3‘ <).‘=/-=,+‘ 81-,‘X

‘ .9,‘ 3.9,-‘ 9/+‘ .9,‘ 2-,/.‘;)-;7,‘ 8/.,- 9,*5‘ 9/=1.)/77>‘+3‘/‘ =1.‘-3==,->‘/*+‘ :)-+,-‘ 3*‘ .9,1-‘ 38*‘ /<<3)*.‘;7)*+,-1*2‘ .9,‘ *,5.5‘ =3.9‘ 34‘+)<05‘ /*+‘ <33.5‘ /*+‘ +,?3)-1*2‘ ,225‘ 3-‘ >3)*2‘ /710,‘ ‘ ,‘ 593.‘ 3*,‘ 8935,‘ =,/0‘ 8/5‘ 5:,/-,+‘ /77‘ 3?,-‘ 81.9‘ >370‘ 4-3:‘ /‘ ;7)*+,-,+‘ +)<0 5‘ *,5.‘ 9/-+‘ =>‘ /*+‘ /73*251+,‘ .9,‘ *,5.‘ 34‘ /‘ * (‘ 81.9‘ 41?,‘ ,225‘ D43)*+‘ Z#/>‘ L‘ 7/>‘ 473/.1*2‘ .9,‘ 9,/+@ 7,55‘ <3-;5,5‘ 34‘ .83‘ >3)*2‘ <33.5‘ ‘ ,‘ 9/?,‘ /753‘ 3=5,-?,+‘ 51:17/-‘ ;9,*3:,*/‘ /73*251+,‘ .9,‘ *,5.5‘ 34‘.9,‘ <33.5‘ .9,:5,7?,5A +3)=.7,55‘ /..-1=).‘/=7,‘ .3‘ .9,‘ 5/*7,‘ </)5,‘ 9,‘ ,225‘ 34‘.9,‘;)-;7,‘ 8/.,- 9,*‘ /-,‘ 73?,7>‘ 3=E,<.5‘ -)++1,-‘ /*+‘ :)<9‘ :3-,‘ -1<97>‘ <373)-,+‘ .9/*‘ .935,‘ 34‘ /*>‘ 34‘ 1.5‘ <3*2,*,-5‘ 9,5,‘ =1-+5‘ -,:/1*‘ 1*‘ .9,‘ :/-15:/5‘ /77‘ 81*.,-

*‘ .9,‘ +,*5,5.‘ =-/0,‘ =-,+‘ ;)-;7,‘ 9,-3*5‘ =).‘ .915‘ ;/-.‘ ;-3?,+‘ 6)1.,‘ 1:;,*,.-/=7,‘ .3‘ </*3,5‘ ‘ 4,8‘ +/>5‘ 7/.,-‘ 938,?,-‘ /.‘ .9,‘ ,.),-./‘ 8,‘ -,/<9,+‘ /‘ 71..7,‘ <373*>‘ 34‘ .9-,‘ *,5.5‘ ‘ =,/).14)7‘ 5129.‘ .9,>‘ ;-,5,*.,+‘ =-3/+‘ ;7/.43-:5‘ 34‘ <-155 <-355,+‘ </*,5‘ <7,?,-7>‘ 5);;3-.,+‘ 3*‘ ./77‘ =/:=335‘ /*+‘ 71*,+‘ 81.9‘ .71,‘ 4738,-1*2‘ .3;5‘ 34‘ ; ‘ D</*,5‘ 9,5,‘ .9-,‘ *,5.5‘ 8,-,‘ <735,‘ .32,.9,-

(another or two hard by), were about five feet above water-level, and contained three, three, and four pale-blue eggs. While circling around their nests, the old herons showed a conspicuous projection beneath their curved necks. We therefore shot one and found the effect was caused by a curious "kink" or bony process on the front of the upper neck—as sketched.

Of other birds observed at this Laguna de Terajes may be noted a few mallard and marbled ducks, a pair of squacco herons (not breeding), common sandpipers (on May 8), and a party of whiskered terns which arrived while we were there.

The day we had spent among the marsh-birds at this sequestered lagoon happened to be the day of the general election and the usual excitement prevailed. Yet, as we journeyed down by the early train, we had read in the morning's paper this paragraph: "An understanding" [*Inteligencia*] — "Yesterday an understanding was arrived at in Madrid between Maura and Cañalejas, by which the former is to hold 225 seats." Why, after that, bother further with an election? 'Twill serve as an object-lesson at home.

PURPLE HERON (*Ardea purpurea*)

Another phenomenon of the Spanish marismas is the through-transit in May of that little group of world-wanderers that make a winter-home in the southern hemisphere—in South Africa and Madagascar, Australia, New Zealand, some even in Patagonia—and yet return each spring to summer in Arctic regions. These comprise, notably, but four species, and not one of these four, in our view, is excelled for perfect beauty of bright, chaste, and contrasted coloration by any other bird-form on earth. This quartette is composed of the grey plover, knot, curlew-sandpiper, and bartailed godwit—all four of which appear here in thousands every May, and all in summer dress.

Note, first, that these do not arrive in Spain (having come 6000 or 8000 miles but being still 2000 or 3000 miles short of their final destination) until long after all other birds—including several congeneric and closely related species—have already laid their eggs and many hatched their young. Also, secondly, that some of them begin to assume their spring breeding-plumage

under autumnal conditions *before* quitting Australia in April—that is, the Australian autumn—and while yet some 10,000 miles distant from the points at which that breeding-dress is designed to be worn.

To the four named might properly be added other two species—the sanderling and the little stint. Our only reason for confining our remarks to the original quartette is that, in Spain, the transit of the other two is less pronounced and noticeable.

Last spring (1910), dry as the marismas were, we had these globe-spanners in thousands. They were extremely wild, and

GREY PLOVERS

In summer plumage, en route for Siberia—Marisma, May 12.

it was only by elaborate "drives" that we secured a few specimens.[1] We also observed in mid-May hundreds of *black*-tailed godwits, a species which usually disappears from southern Spain at end of March and which we have found nesting in Jutland *before* the above date, viz. the first week in May.

Whimbrels had been extremely abundant early in May, together with a few greenshanks, ring-dotterel, and green sandpiper. On May 13 we observed several of the Mediterranean black-headed gull (*Larus melanocephalus*) on Santolalla.

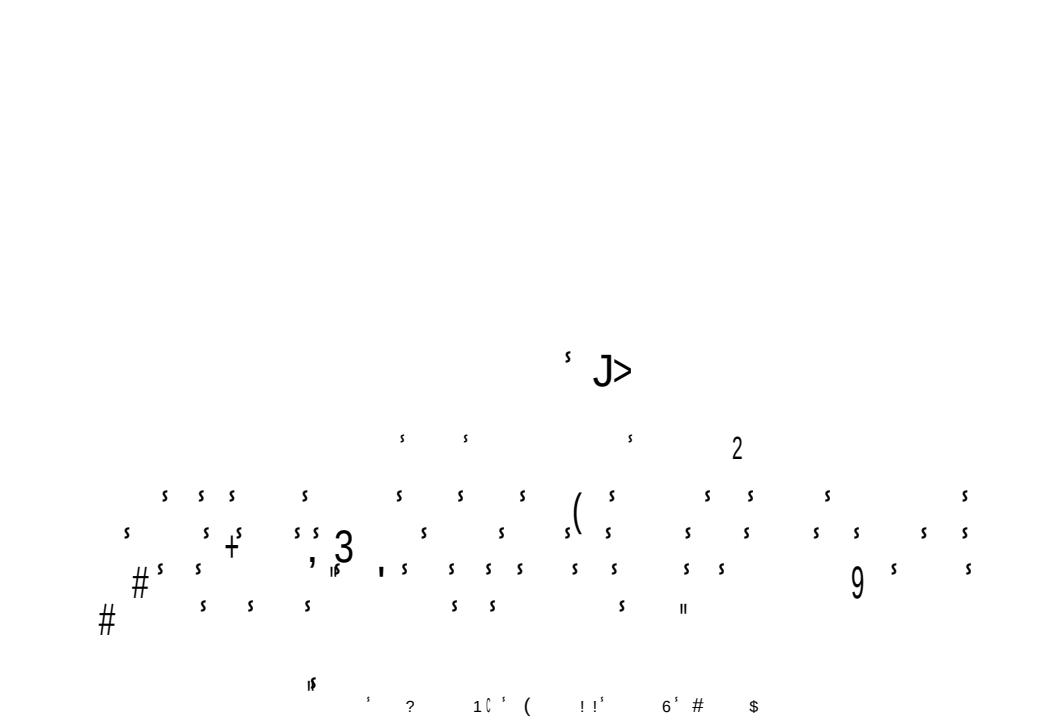
[1] In none were the generative organs more than slightly developed, and in most the plumage was full of new blood-feathers, showing that the summer change was not yet complete. The date, May 10-15. Another drawing is given at p. 42.

[NOTE.—Referring to the last sentence, our companion, Commander H. Lynes, R. N., writes:—"All the gulls I saw on Santolalla I am positive were *L. ridibundus*, and I looked most carefully. The wing-pattern of *melanocephalus* is very distinct. With the latter I became quite familiar in the Mediterranean in winter, and also saw them in late summer at Smyrna." We, nevertheless, leave our own record as above, being confident that such gulls as happened to come within our own view were *exclusively* of the southern species, with its darker and deeper hood. But the occurrence of our British Black-headed Gull so far south in mid-May is also remarkable. That species, though abundant all winter, has disappeared, as a rule, by the end of March. Our own last note of observing it during the spring in question was on April 1. We may add a further note of having observed *both* species (swimming alongside) on Guadalquivir, March 12, 1909. The distinction, alike in the depth and darker shade of the "hood" in *L. melanocephalus*, was unmistakable, even to naked eye.]

This dry spring not a spoonbill nested in Andalucia. The teeming *pajaréras*, or heronries, at the Rocina de la Madre and in Doñana were left lifeless and abandoned. In normal years these are tenanted (as shown in photo at p. 32) by countless multitudes of buff-backed, squacco, and night-herons, glossy ibis, some purple herons, and a few pairs of spoonbills, whose massed nests fairly weigh down the marsh-girt tamarisks.

ORPHEAN WARBLER (*Sylvia orphea*)

Arrives end of April; hardly so brilliant a songster as its specific title would import.



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;/*159 .38*5 /*+ ?177/2,5 /-, 5,74 <3*./1*,+ 710, .9, G 4,*<,+ <1.1,5 H 34 1=71</7 +/>5 9, 34 .9, 51,--/ 5938); /5 / <3*<-,.,5;7/59 34 891., 3* .9, =-38* 917751+, *<, 3).51+, .9, 2/.,5 >3) /-, 1* .9, ^ <3)*.-> ?,* ,-,I 81.9 1.5 Q! !!! 1*9/=1./*.5 =3/5.5 *3 5)=)-=/* I3*, 1.91* 9/74 /* 93)-5 8/70 3*, : /> 81.*,55 5<,*,5 1* 817+ =1-+ 714, 43- .9, 710, 34 891<9 93 : , 5./>1*2 */.)-/715.5 5129 1* ?/1* , /-, /. 3)- G 93 : , : /-59 H / : 17, 3- .83 /8/> V 1. 15 : 1+ ,=-)/-> 1.91* 414.,,* >/-+5 / +3I,* 5.17.5 5./70 1* .9, 59/77385 B 9/-+ => 15 / 2-3); 34 23+81.5 53 : , ;-3=1*2 .9, 33I, .9, -,5. ;-,,*1*2 1* ,<<,*.-1< 3).5.-,.<9,+ ;35,5. ,>3*+ .9, +-1,- 593-, 15 /+3-*,+ => 5*38 891., ,2-,.5 " 53 : , ;,-<9,+ 3* 3)- </..7, -,71,?1*2 .9,1- .1<0 .3- : ,*.,+ 91+,5

9)5 81.91* 7,5 .944* 414.> >/-+5 8, 9/?, 1* ?1,8 .9-,, 34 .9, -/-,5. /*+ : 35. ,C6)151., 34 -1.159 =1-+5 *+ .9, 715. </* =, ;-373*2,+ : /-59 9/--1,. 1* : ,*/<1*2 47129. 915 =-3/+ 81*25 =-)591*2 .9, =)7-)59,5 58,,;5 /<-355 .9, =32 5./-.71*2 / : /77/-+ /*+ 5*1;,5 B .9,-, /-, 5.3-05 /*+ 891 : =-,75 1* 5129. D.9, 7/..,- ;3551=7> 57,*+,- =177,+ <)-7,8 /*+ / ;/<0 34 7,55,- =)5./-+ <-3)<9 81.91* M!! >/-+5 1* .9, ;/7 : ,..35 -3 : / : /-59 +-/1* 5;-1*25 / 2-,,* 5/*+;1;,-B /*+ /5 8, ./0, 3)- 93 : ,8/-+ 8/> 5,-,*/+,+ => =)77 4-325 /*+ : 37, <-1<0,.5 .9,-, -,53)*+5 3?,-@ 9,/+ .9, <7/-13* *3., 34 <-/*,5 <7,/?1*2 .9,1- 8/> +), *3-.9

II. An Isolated Crag in Andalucia

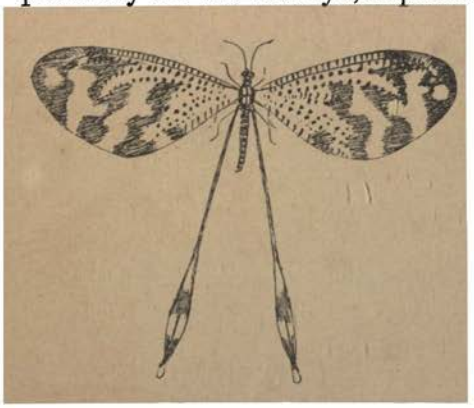
Within an easy half-day's ride from X. lie the cliffs of Chipipi, rising in crenellated tiers from the winding river at their base. It is a lovely May morning. Doves in dozens dash away as we ride through groves of white poplars, and the soft air is filled with their murmurous chorus; the bush-clad banks are vocal with the song of orioles and nightingales, cuckoos, and a score of warblers—Cetti's and orphean, Sardinian, polyglotta, Bonelli's. The handsome rufous warbler, though not much of a songster, is everywhere conspicuous, flirting a boldly-barred, fan-shaped tail that catches one's eye. There are woodchats, serins, hoopoes; azure-blue rollers squawk, and brilliant bee-eaters poise and chatter overhead—their nest-burrows perforate the river-bank like a sand-martins' colony. On willow-clad eyots nest lesser ring-dotterels and otters bask; while in the shaded depths beneath the fringing osiers lurk barbel intent to dash at belated grasshopper or cricket.

SAVI'S WARBLER (*Sylvia savii*)

A spring-migrant, common but very local. Has eggs by mid-April.

In a thick lentiscus is the nest of a great grey shrike, and while we watch, its owner flies up carrying a lizard in her beak. Half an hour later we see a second shrike, with falcon-like dash, capture another lizard basking in a sunny cranny among the rocks—no mean performance that. There are snakes here also; one we killed, a coluber, on March 31, was 5½ feet long and contained two rabbits swallowed whole and head first—one partly digested. Another snake, quite small, struck us as being something new; him we bottled in spirit and despatched to the British Museum. Presently came the reply, thanking us for a "Lizard, *Blanus cinereus*." Lizard? Well, we learnt a lesson. There are limbless lizards, and this was one—the subterranean amphis-

baena; our British blindworm (*Anguis fragilis*) is another, and that also we did not know before. There are curious reptiles here in Spain—the chameleon, for example. The lobe-footed gecko, *Salamanquésa* in Spanish, haunts sunny rocks where insects abound. But he carries war into the enemy's camp, invading (not singly, but in force) the wild-bees' nests. A Spanish bee-keeper gravely assured us that the cold-blooded gecko does this thing expressly to enjoy the sensation of being stung in twenty places at once! Here in a shady glade lie strewn broadcast the wings of butterflies—examine *very* closely the bush above, and presently an iris-less eye, expressionless as a grey pearl, will meet your own. That is a praying mantis (or *Santa Teresa* in Spanish), a practical insect but no aesthete, since he devours the ugly body and casts aside the beauteous wings!—see his portrait at p. 87. Among butterflies we counted here the scarce swallowtail, *Thaïs polyxena* (hatching out on April 3), *Vanessa polychloros*, a big fritillary with blood-red under-surface to its fore-wings (*Argynnis maia*, Cramer), *Euchloëbelia* (March) and the curious insect figured alongside, we know not what it is.[1]



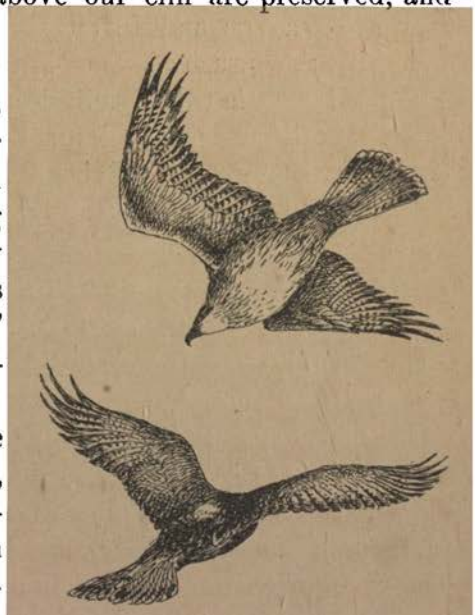
For more than thirty years within our knowledge (and probably for centuries before) these cliffs have formed a home of Bonelli's eagle. Two huge stick-built nests stand out in visible projection from crevices in the crag, some forty yards apart. To-day (April 3) the occupied eyrie contained a down-clad eaglet, four partridges, and half a rabbit, besides a partridge's egg, intact, and sundry scraps of flesh, all quite fresh. The nest was lined with green olive-twigs; swarms of carrion-flies buzzed around, and a great tortoiseshell butterfly alit on its edge while we were yet inside. The parent eagles soared overhead, the female carrying a half rabbit, which, in her impatience, she presently commenced to devour, the pair perching on a dead ilex, and affording us this

[1] Common British birds we exclude from notice, or might fill a page with swarming goldfinches, robins, wrens, chaffinch, blackbird, stonechat, whitethroats, tree-pipits, titlarks (the last three on passage), blackcap, garden-warbler, whinchat, redstart, and a host more.

sketch and another inserted at p. 26. Her white breast shone in the sun with a satin-like sheen.

Within sight (though fifteen miles away) is another eyrie of this species—the alternative nests not ten feet apart, merely a projecting buttress of rock separating the two vertical fissures in which they rest. This site is in a rock-stack standing out from the wooded slope of the sierra. The two eggs, slightly blotched with red, were laid in February.

The rough bush-clad hills above our cliff are preserved, and presently meeting the game-keeper, we tried—(that daily toll of four partridges plus sundry rabbits had got on our consciences !)—to put in a word for our eagle-friends, assuring him they did him service by destroying snakes and big lizards (which they don't). "Si, señor," he agreed, adding, "y los insectos !"



BONELLI'S EAGLES SOARING AROUND EYRIE

Note white patch in centre of back, between the wings.

Farther along the cliff we found two nests of neophron, each containing two very handsome eggs. This bird makes a comfortable home, the foundation being of sticks, but with a warmly lined central saucer, bedecked with old bones, snakes' vertebrae, rabbit-skulls, and similar ornaments. The nests were on overhung shelves of the vertical crag, and (like those of the eagles) only accessible by rope. There lay a rat in one—and rather "high."

Remaining denizens of these crags we can but briefly name. A pair of eagle-owls had three young (fully fledged by June 10) in a deep rock-fissure; there were also ravens, many lesser kestrels, and a colony of genets.

III. Oak-Wood and Scrub

Cistus and tree-heath, genista and purple heather that brushes your shoulder as you ride, studded with groves of

<3-0 3/0A 5)<9' 8/5' 3)-' 9)*.1*2 41,7+' 9,' -,/+,-5' ;/.1,*<,' 59/77' *3.' =,' /=)5,+' =>' /' </./732),' 34' 3-*1.937321</7' 4/<.' -),' 8,' 8,-,' 5.)+>1*2' =1-+ ;-3=7,:5'/*+' /.' .9,' :3:,*.' .9,' 8-1.,-' 8/5',*+,/?3)-1*2'/:1+5.',*433.'5<-)='.3'73</.,'=>'1.5'53*2'/' *,5.'34' 37>273../A 3-'8/5'1.'L 'FA 89,*'1*'.9,'+,;.95'34' 35:)*+/'4,-*'8/5'+,5<-1,+'53:,.91*2' (A 1.'8/5'/'817+=3/-'L ' ' ' 9-,,' 93-5,:,*' /-:,+' 81.9' '<3:,' 2/773;1*2' .9-3)29' .9,' =)59A 9,-+5:,*' -3)*+1*2);' </..7,F').' .915' :3-*1*2'1.'15'/' '.9,>'/-,'-3)*+1*2);B /*+' /'=)77' .9/.' 9/+' 2-38*' 53' 5/?/2,' /*+' 1*.-/<./=7,' .9/.' 915' 714,' 8/5' 43-4,1.' ' <-/59' 1*' .9,' =-)59833+' /*+' 8,' 5./*+' 4/<,' .3' 4/<,' 9-,,' :1*).,5'7/.,-' .9/.' =)77' 4,77' +,/+' 81.9' .83' =/775' 1*' 915' =3+>B =).' .83' 3.9,-5' 7,55' 8,77' /1:,+' 9/+' 8915.7,+' ;/5.' 3)-' ,/-5' 935,' .9-,,' :1*).,5' 9/+' =,,*' :3:,*.3)5A .9,' <931<,' 1.' 9/+' 5,,:,+' 7/>' =,.8,,*' 93-*' /*+' =)77,.' 1-+ *,5.1*2' 1*' ;/*159' 817+5' 9/5' 1.5' 5,-13)5' 51+,

9,' /4.,-*33*' 8/5' 7,55',?,*.4)7' 7:35.',/<49' 157/*+,+' 2-3?,' 9/+' >1,7+,+' 5;317' ,'*,,+' *3.' 5;,<14>' 5;,<./<7,+' 5)=/7;1*,' /*+' -;9,/*' 8/-=7,-5' 833+;,<0,-5' 833+<9/.5' /*+' 2-,>' 59-10,5' *129.E/-5' 3875' 0,5.-,75' /*+' 01.,5A 53:,';-1I,5'+,:/*+1*2';/.1,*.' 8/.<91*2' 3.9,-5' /' 5.-,*)3)5'<71:=' 9,' 7/5.' 93)-' 9/+' -,5)7.,+' 1*' +15<3?,-1*2' /' *,5.' 34' =33.,+',/27,' .83' 34' =7/<0' /*+' 3*,' 34' -,+' 01.,5',/<9' 81.9' .83',225' D.9,'*,C.'.-,',9,7+' /' *,5.' 34' .9,' 7/..,-' <3*./1*1*2' /' >3)*25.,-' *,/-' 4)77' 2-38*' ' ,' 9/+' .)-*,+' .3' -1+,' 93:,8/-+5' 89,*' 3?,-' /' <,*.,*/-1/*' <3-0 3/0' 3*' .9,' 93-113*' 8,' -,<32*15,+' D=>' .9,1-' =)3>/*.' 47129.' /*+' 891.,')*+,-51+,5' /' ;/1-' 34' 5,-;,*.,/27,5' 9,' 2-3.,56),' 37+' .-,,' 8/5' 9/74' 3?,-.9-38*' /*+' 3*' 1.5' .3;:35.' 71:=' 8/5',5./=7159,+' .9,' 5*/0,,/.,-5',>-1,' <3*./1*1*2' .9,')5)/7' 51*27,' =12' 891.,',22A .915' 5;,<1:,*' 938@ ,?,-' +15.1*<.7>' 5;7/59,+' 81.9' -,++159' =-38*' *' .9,' 5/:,',.-,' 8,-,' /753' =-,,+1*2' <)59/.5' /*+' +3?,5' /' 833+;,<0,-' 81.9' 43)-' ,225' /*+' /'58/-:' 34' =,,5' 893' :/+,' .91*25' 71?,7>' 43-' .9,' <71:=,-' *,' 34' .3 +/>5' <71:=5' =>' .9,' 8/>' 9/+' -,5)7.,+' 1*<1+,*./77>' 1*' .9,' </;.)-,' 34' /' 4/:17>' 34' +3-:1<,' ' ' 1*' ;/*159' 9/*+53:,' <-,/.)-,5' 81.9' 1::,*5,' 89150,-5' /*+' /--/>,+' 1*' <3*.-/5.5' 34' -1<9' =-38*' =7/<0' /*+' 891.,

/74' /*' 93)-' 7/.,-' 8,' +,5<-1,+' .9,')*:15./0/=7,',>-1,' 34' /*' 1:;,-1/7',/27,A /';7/.43-:' 34' 5.1<05' .9/.' <-38*,+' .9,' 5):1.' 34' /' 9)2,' <3-0 3/0' .9,' :3-,' <3*5;1<)3)5' 51*<,' /*>' ;-3E,<.1*2' .8125' .9/.' :129.' 1*.,--);.' .9,' ?1,8' /-,' /78/>5' =-30,*' 344' 9,' ,/27,

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herself on her back and hold the hawk at bay, striking out right and left, for she has powerful claws and can scratch like a cat. Often the assailant is fairly beaten off; or should the fight end without visible issue, probably the coveted eggs have been hustled overboard in the tussle. Then it amuses to watch the harrier's frantic efforts to recover the sunken prizes from the shallows.

Great Spotted Cuckoo (*Oxylophus glandarius*).—A striking rakish form, this stranger from unknown Africa silently appears in Spain during the closing days of February or early in March. On the fifth evening of the latter month, while rambling in the bush on the watch for "some new thing," a hawk-like figure swept by and perched on the outer branches of a thorny acacia. When shot, the bird dropped a yard or so, then clutching a bough with prehensile zygodactylic claws, hung suspended with so desperate a hold that it was with difficulty released. Waiting a few minutes, a harsh resonant scream—*cheer-oh*, thrice repeated—announced the arrival of the male, which fell winged on a patch of bog beyond. Ere we could reach the spot the bird had run back, regained the outer trees, and was climbing a willow-trunk more in the style of parrot than cuckoo. The beak was used for steadying, and so fast did it climb that we had to ascend after it.

The beak in this species opens far back, giving a very wide gape—colour inside pink, deepening to dark carmine. We sketched and preserved both specimens, see p. 41 and above.

As a rule this cuckoo disappears in early autumn, but we have an exceptional record of its occurrence in winter. One was shot at San Lucar de Barraméda, December 19, 1909.

This cuckoo, like all its old-world congeners,[1] is parasitic in its domestic *ménage*—that is, it adopts a system of reproduction by proxy—relying, as Canon Tristram long ago put it, on finding a "foundling hospital" for its young. But even the keen intellect

[1] The African bush-cuckoos, or coucals (*Centropus*), certainly build their own nests; but they are only related nominally, and the connection is remote.

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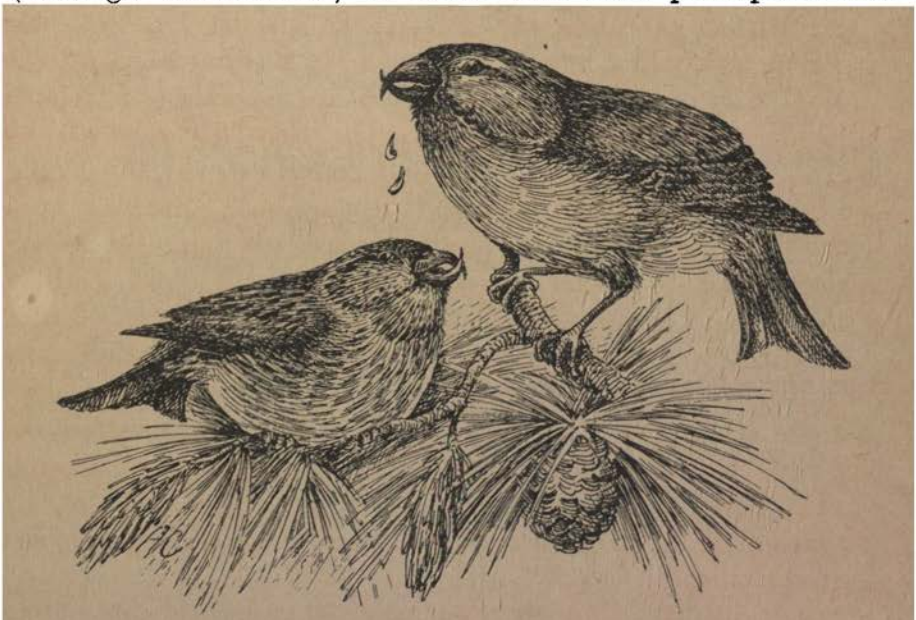
have fled from Morocco to avoid the fighting then raging around Melilla! But in Spain a further and anomalous complexity followed. For the Spanish specimens we sent home, on being submitted to Dr. Ernst Hartert, proved to belong to a purely Spanish subspecies—a race distinguishable by its weaker mandibles and other minor variations. Hence the movement in Spain had been purely internal, and it became difficult to suppose that (although simultaneous) it could have been predisposed and



CROSSBILLS, ADULT AND YOUNG (*Loxia curvirostra*).
JEREZ, July 1910.

actuated by precisely the same motives as those which compelled a more extensive exodus farther north. Thus results the curious issue—that presumably different causes, operating over a wide geographical area, produced similar and simultaneous effects. These immigrant crossbills disappeared from Andalucia at the end of August.

Crossbills we used to observe in winter in our pine-forests of Doñana; but owing to local causes they have now missed several years. Their migrations within Spain are rather on the vertical than the horizontal plane—that is, merely seasonal movements between the higher lands and the lower. In Spain, denuded of natural forest, the habitat of such birds is narrowly restricted.

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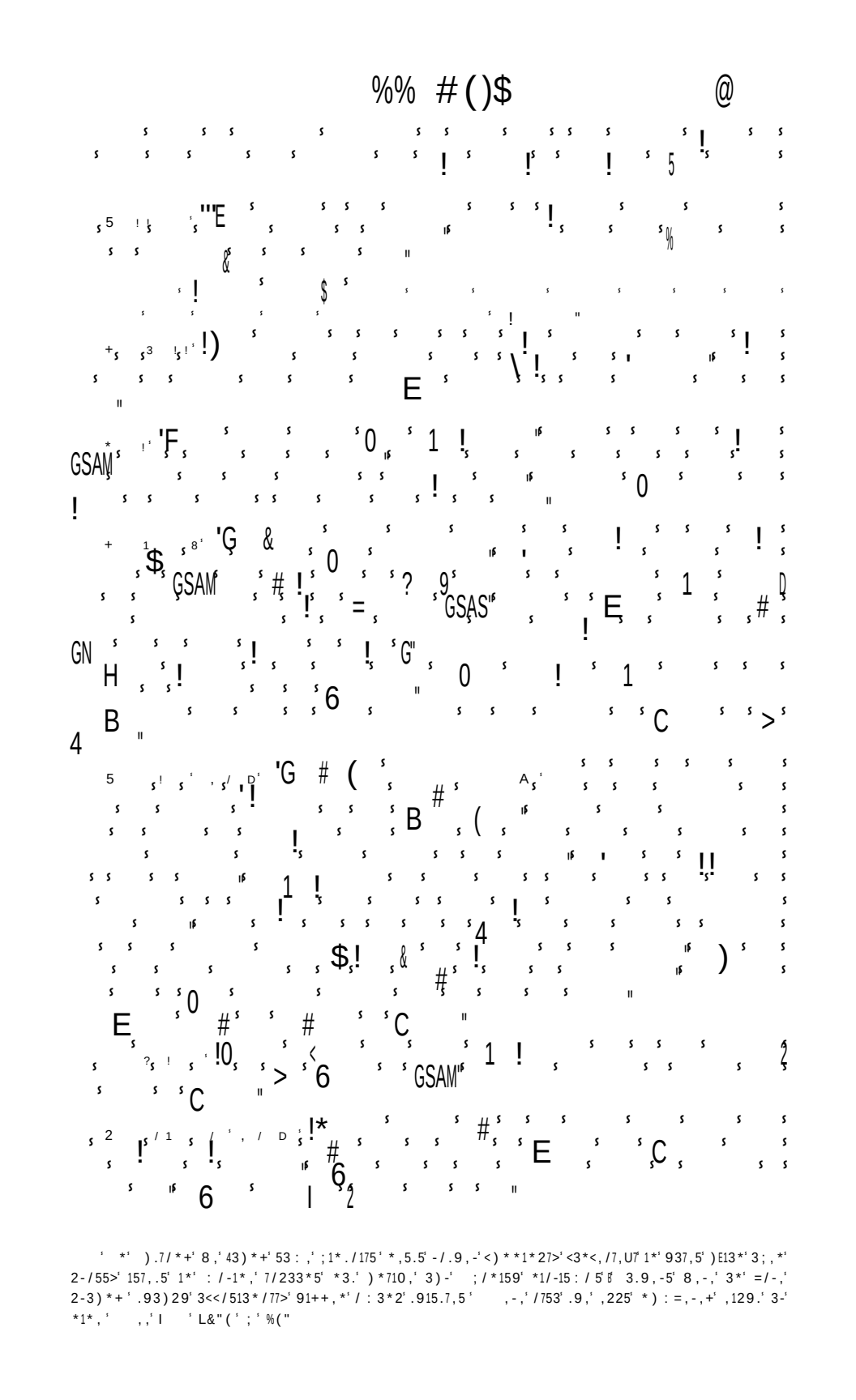

Index

Absenteeism, 12
Accentor, alpine, 222, 316
Africa, 29, 40, 41, 67, 91, 111, 112, 381, 383; bird natives of, 272
Africa, British East, 272, 295
African bush-cuckoo, 400 *n.* 1
Agriculture, Moorish, 9-10
  Spanish, 11
Alagon River, 232 and *n.* 1, 233, 295
Albufera Lake, 321-4, 410
Alfonso XII., 37, 190, 292
Alfonso XIII., 19, 26, 31, 37, 72, 131, 140, 190, 206, 292, 336
Algamita, Sierra of, 176
Algeciras, 295
Alimañas, 28, 42, 337-46
Almanzór, Plaza de, 140, 213, 216, 217, 286
Almonte, village of, 82 *et seq.*
Almoraima, 363
Alpuxarras, the, 142, 302, 305
Alquerías (Las Hurdes), 235, 236, 241
America, flamingoes in, 273
Anatidae, 40; distribution of, in S. Spain, 136
Andalucia, 2, 4, 10, 351, 393, 401, 402, 403; bandits in, 175 *et seq.*; big game of, 54 *et seq.*; birds of, 40 *et seq.*, 222, 393-5, 403
Ant-lion (*Myrmeleon*), 36
Arabs. *See* Moors
Arahal, Niño de, bandit, 176 *et seq.*
Armajo (samphire), 89-90, 91, 106, 114
Asturias, the, 294 *et seq.*; chamois in, 283-93
Avila, 213, 219
Avocet, 268, 385

Badger, 337, 344, 345
Bandits, 174 *et seq.*
Barbary stag, 43, 44
Barbel, 298-9, 393
Basques, the, 5
Bear, 289, 298
  brown, 4, 29, 294
Bear-hunting, 296-7
Bee-eater, 41, 209, 211, 226, 393
Bernicle goose, 191, 407
Bewick's swan, 375
Bharal, 26
Bidassoa River, 2
Big game in Spain, 6, 28-9, 54 *et seq.*, 148 *n.* 1, 303
Bird-life on the marisma, 40-42, 91 *et seq.*, 114 *et seq.*, 138 *n.* 1, 265-71, 376, 381-91, 408, 409
Bird-migration, 29, 40, 41-2, 91-2, 99 and *n.* 1, 103-4, 111, 376-80, 389-90, 401-3
Blackbird, 223
Black-chat, 222, 230, 319, 353 *n.* 1, 367
Blackstart, 313, 318, 352, 362, 367
Boar, wild, 29, 42, 47, 68-9, 70 *et seq.*, 147, 161, 171, 191, 229, 238, 289, 353, 365-6, 396
Boar-hunting, 70 *et seq.*
Boga, 299
Bombita I., matador, 199
Bombita II. (Ricardo Torres), 199, 205
Bonaparte, Joseph, 196-7
Bonelli's eagle, 28, 289, 355, 362, 366, 394-5
Bonelli's Warbler, 232, 318, 393
Bonito, 300
Brambling, 62
Breeding-places of flamingoes, 265-71
Bull, the Spanish fighting, breeding and training of, 200-204; breeds of, 88, 204, 208
Bull-fight, the Spanish, 8, 15, 192-9
Bull-fighters, famous, 195-9
Bull-frog, 392
Bustard, 212, 226, 227, 232
  great, 4, 11, 24, 29, 119, 209, 242-64
  lesser (*Otis tetrax*), 29, 262-4, 328, 392
Bustard-shooting, 244 *et seq*
Butterflies, 62, 313
  Lycaena telicanus, 62
  Megaera, 62
  Thaïs polyxena, 62, 394
  Vanessa polychloros, 394
Buzzard, 228, 342, 397

Cabrestos, 371-3, 379
Caceres, province, 228 *n.* 1
Caciquismo, 175, 180-81, 240
Cactus (prickly-pear), 9
Caldereria, 324-7
Camels, wild, on the marisma, 36, 40, 275-82
Cantabria, 4, 28, 29, 298; mountains of, 286
Cape de Verde Islands, 266, 271 *n.* 1
Capercaillie, 4, 29, 294, 298
Cares River, 284, 296
Castile, 5, 29
Catalonia, 5 and *n.* 1
Cavestany, Sr. D. A., Spanish poet laureate, 164
Central Asia, wild camels in, 276
Cervantes, 183
Cetti's warbler, 61, 393
Chaffinch, 164, 319
Chameleon, 394
Chamois, 4, 29; in the Asturias, 283-93, 294; preservation of, 142
Chamois-shooting, 286 *et seq.*
Chapman, Mr. F., 273
Chapman, Mr. J. Crawhall, 280
Charles V., Emperor, 194
Chough, 222, 309, 319, 353, 355, 358, 366, 367
Ciguela River, 185
Cinco Lagunas, Las, 141, 215
Cirl-bunting, 319, 348
Cistus (*Helianthemum*), 37, 50, 62
Climate of Spain, effects of, 2-4
Coot, 186, 188, 267, 326, 384, 387, 388, 399
  crested, 399
Cormorant, 186
Corros, 376-80
Cortez, 231
Corvidae, 401
Corvus cornix, 401 *n.* 1
Costillares, bull-fighter, 196
Coto Doñana, 30 *et seq.*, 58, 59, 74, 78, 89, 122, 332, 343, 402, 404; fauna of, 38 *et seq.*
Crag-martin, 319, 366, 367, 368
Crake, 39
Crane, 40, 392
Crossbill, 351; migrations of, 401-3

Cuckoo, 313, 393
great spotted, 41, 400-401
Curlew, 403
slender-billed, 392, 403-4
stone-, 227, 232, 343
Cushat, 396

Daimiel, lagoons of, 185-91, 324, 409, 410
town of, 191
Dampier, 266, 271 *n.* 1
Dartford Warbler, 61, 223, 353 *n.* 1
Date-palm, 4
Deer, 94, 148, 161, 171, 333, 343
fallow, 28, 148 and *n.* 1, 228 and *n.* 1
red, 42 *et seq.*, 147, 155-6, 158 and *n.* 1, 228, 238, *tables*, 170-3
roe-, 165, 229, 298, 353, 363
Deer-shooting ("driving"), 44, 156 *et seq.*
Deer-stalking, 44 *et seq.*, 60
Despeñaperros, 149
Deva River, 284, 296
Dipper, 211, 319
Diving-ducks, 101, 112, 138 *n.* 1, 324
Don Quixote, country of, 183, 228
Dormice, 396
Dove, 209, 226, 393, 396
turtle, 212, 331
"Driving" (*see also Monteria*), 44, 47 *et seq.*, 59 *et seq.*, 115, 116-22, 248-55, 286 *et seq.*, 338-40, 360-62
Duck, 40, 41, 95, 96, 99, 102, 186-90, 322, 324 *et seq.*, 375 *n.* 1, 383, 388, 403; habits of, 106, 110-11, 187
ferruginous, 101, 186, 190, 409
marbled, 101, 112, 135, 383, 389, 409
tufted, 101, 138 *n.* 1, 186, 410
white-faced, 384, 386-7, 410
Duck-hawk, 102, 186
Duck-shooting, 108, 187-90
Dunlin, 63 *n.* 1
Dwarf-juniper, 315

Eagle, 38, 222, 228, 333, 334, 342, 363
Bonelli's, 28, 289, 355, 362, 366, 394-5
booted, 396
golden, 28, 153, 156, 317, 353-5, 362
imperial, 28, 258-9, 396-7
spotted, 398
white-tailed or sea-, 397-8
Eagle-owl, 343, 368, 370, 395
Egret, 186, 382, 385, 392
Espinosa, Pedro, 37
Estepa, 175 *n* 1.
Estremadura, 80, 225-33; climate of, 230; fauna of, 29, 43, 226, 228

Falcon, 334
peregrine, 135, 317, 398
Fantail warbler, 61
Ferdinand VII., 195, 197
Firecrest, 352
Flamingo, 25 and *n.* 1, 40, 94-5, 100-101, 134, 186, 191, 327, 382, 383; breeding-places of, 265-74
Phoenicopterus minor, 272 *n.* 1
Phoenicopterus ruber, 273
"Flighting," 122-4, 136
Fly-catcher, 41
pied, 232, 319
spotted, 232
Foumart, 341
Fowling, Spanish modes of, 371-5, 379
Fox, 46, 60, 129, 226, 277, 317, 333, 334, 337 *et seq.*
Francolin, 321
Frascuelo, bull-fighter, 197-8
Fuen-Caliente, 142, 149-50, 171

Gadwall, 101, 111, 384, 409
Gaëtanes, 2
Galicia, 4
Game preservation in Spain, 335-6
Garganey, 112, 190, 384, 409
Gecko, lobe-footed, 394
Genet, 171, 334, 337, 395
Gibraltar, 355
Godoy, 196
Godwit, 42, 63 *n.* 1, 134, 392, 403
bartailed, 389
black-tailed, 390
Goose, bean, 407
bernicle, 191, 407
black (*Ganzos negros*), 186
greylag, 31, 32-3, 92, 95, 102, 114 *et seq.*, 120, 125, 127, 191, 373, 375 *n.* 1, 407-8
pink-footed, 407
Goths, the, 229, 231
Granada, 10, 301
Granadilla, 222 and *n.* 1, 233
Grasshopper (*Cigarras panzonas*), 259
Grebe, 186, 190
eared, 387
Grédos, Circo de, chief features of, 141, 213-15
Greenshank, 390
Griffon. *See under* Vulture
Guadalete, battle of, 7, 229
Guadalquivir River, 30, 35, 299, 374, 391, 411; marismas of, 88 *et seq.*, 114, 190, 265, 408, 409
Guadiana River, 185
Guerra, Rafael, bull-fighter, 198
Gull, 41, 186, 384
black-backed, 107
British black-headed (*L. ridibundus*), 391
Mediterranean black-headed (*Larus melanocephalus*), 268, 390-91
slender-billed (*Larus gelastes*), 268
Gum-cistus (*see also* Cistus), 160, 225, 235

Hare, 226, 238, 328, 330, 331, 334
Hawfinch, 61, 362
Hawk, 333
Hazel-grouse, 4, 29, 298
Heron, 41, 186, 190, 382
buff-backed, 385
purple, 267, 388
squacco, 389
Hobby, 397
Hoopoe, 41, 62, 184, 226, 230, 313, 319, 393
Humming-bird hawk-moth, 62
Hunting dogs, 159, 164, 328, 340
Hurdanos, the, 5, 234 *et seq.*

Ibex, Spanish (*Capra hispánica*), 15, 26, 29, 43, 139-46, 149, 156, 210, 287, 303 *et seq.*, 317, 321-2, 352, 360 and *n.* 1, 362; distribution of, 142, 303, 305; habits of, 144-6, 152, 153, 360; heads, *Table* of, 157; preservation of, 139-42
Ibex-hunting, 216-24, 304 *et seq.*
Ibis, 41, 382
glossy, 403
Inns (*posada*), 18, 19 *et seq.*
Irrigation, neglect of, 12, 230
Isabel I. (*la Católica*), 194
Isabella II., 323

James I., 321
Janda, Laguna de, 375 *n.* 1
Jay, 164, 362, 411
Jerez, 347, 392, 401, 403

Kestrel, 164, 212, 226, 230, 319, 396
lesser, 355, 395
Kite, 211, 333, 334, 342, 396
red, 397
Kitty-wren, 348
Knot, 42, 63 *n.* 1, 389

Lagartijo, bull-fighter, 197-8
Laguna de Grédos, 219, 220
La Mancha, 183-91, 409, 410
Lammergeyer, 26-7, 149, 217-8, 314-5, 353, 357, 358-9, 360, 362, 367, 368
Land-tortoise, 343
Lanjarón, 306
Lark, 41, 212, 226, 232
Calandra, 209
crested, 209, 319
short-toed, 319
sky-, 312
wood-, 313, 319, 348, 352, 353 *n.* 1, 367
Las Hurdes, 5, 233 *et seq.*
Las Nuevas, 99 *et seq.*, 280
Lemming, 210 *n.* 1
León, 5; Cortès de, 6

Lilford, Lord, 265
Linnet, 319
Lizard, 333, 334, 355
Blanus cinereus, 393
Locusts, 226, 227
Lugar Nuevo, 172
Lynx, 33, 46, 60, 68, 76-7, 155, 171, 317, 333, 334, 337 *et seq.*, 398

Madoz, Pascual, on the Hurdanos, 239 and *n.* 1, 240, 241
Magpie, 226, 232, 333, 401, 411
Spanish azure-winged, 29, 164, 184, 209, 225, 226, 411
Mallard, 186, 188, 190, 326, 327, 384, 389, 392, 409
Manzanilla (camomile), 111
Maria, José, bandit, 174, 181
Marisma, the, 35-6, 88 *et seq.*, 190; bird-life in, 40-42, 91 *et seq.*, 114 *et seq.*, 138 *n.* 1, 265-71, 376, 381-91, 408, 409; plant-life in, 89-90, 115; wild camels on, 36, 40, 275-82; wildfowl shooting in, 95 *et seq.*, 105-13, 115 *et seq.*, 371-75
Marmot, 210 *n.* 1
Marsh-harrier, 38, 102, 107, 135, 387, 388, 392, 399
Marsh-tern, 384
Marten, 171, 317, 319
Martin, 355
Mazzantini, Luis, bull-fighter, 198-9
Merida, 229, 230
Mezquitillas, 167, 170, 171
Migration of wildfowl. *See* Bird-migration
Missel-thrush, 212, 318
"Miura question," 192, 204-7
Mole-cricket, 392
Monachil River, 314, 316, 317, 318, 319
valley, 311
Mongoose, 163, 171, 333, 334, 337, 339, 341, 344, 364
Monteria, 157, 158 *et seq.*, 283, 296
Montes, Francisco, bull-fighter, 197
Moorish domination, traces of, 7 *et seq.*, 37, 232-3, 295
origin of bull-fight, 8, 193-4
Moors, the, 149, 229
Mosquito, 62
Mudéla, estate, 335
Mulahacen, 312, 315
Mullet, grey, 299

Naranjo de Bulnes, 291-2
National characteristics, 5, 12 *et seq.*, 19
types, 4-5
Navarre, 5
Neophron, 319, 366, 368, 395
Nightingale, 232, 318, 393
Nightjar, 41, 396
Nucléo central, 140
Nuthatch, 223, 232

Oleander, 160, 166 and *n.* 1
Orange, cultivation of, 9
Oriole, 393
golden, 41, 232
Orphean warbler, 393, 396
Ortolan, 319
Osprey, 191
Otter, 337
Ovis bidens, 352-3
Owl, 396
little, 319
white, 230

Paris, Comtes de, 278-9
Partridge, 15, 30, 32, 164, 226, 238, 331, 332-3, 335-6, 362, 363, 398
grey, 29, 298
redleg, 15, 29, 184, 319, 328, 329
Peewit, 267
Pelayo, 7
Pelican, Danish, 276
Peñones, the, 314, 315
Pepe-Illo, bull-fighter, 196
Peregrine falcon, 135, 317, 398
Perez, Gregorio, 292, 293
Pernales, bandit, 174 *et seq*
Petroleum, 347 *n.* 1
Phillip II., 195
Phillip III., 195, 323
Phillip IV., 37, 195
Phillip V., 195
Pica mauretanica, 401 *n.* 1
Picos de Europa, 142, 144, 283, 285, 292, 302
Pig, 298, 363
Pilgrimages to Rocio, 82 *et seq.*
"Pincushion" gorse, 314, 352
Pine (*Pinus pinaster*), 319, 361
Pinsapo pine (*Abies pinsapo*), 349-52 and *notes*, 360, 362
Pintail, 94, 97, 101, 110, 111, 186, 188, 326, 408, 409
"Piorno" (*Spartius scorpius*), 352
Pipit, alpine, 222
tawny, 319, 353 *n.* 1, 367
Pius V., Pope, 194
Pizarro, 231
Plant-life in the marisma, 89-90, 115
Plover, golden, 63 *n.* 1, 331
grey, 42, 134, 389
Kentish, 267, 382
Pochard, 101, 138 *n.* 1, 186, 188, 324, 327, 384, 410
red-crested (*Pato colorado*), 186, 188, 190, 327, 410
white-eyed, 138 *n.* 1, 384
Polyglotta warbler, 393
Pratincole, 268, 382 and *n.* 1
Praying mantis, 394
Préjavelsky, Russian explorer, 276
Ptarmigan, 4, 29, 298
Pterostichus rutilans, 314
Puerta de Palomas, 367-70
Puntales del Peco, 167
Pyrenean musk-rat, 29
Pyrenees, 28, 29, 298, 302; ibex in, 142, 143-4

Quail, 29, 328, 330

Rabbit, 330, 333, 341
Rail, 39
"Rare birds," 403, 404
Raven, 209, 222, 309, 319, 366, 395
Reclamo (call-bird), 328-9
Redondo, José, bull-fighter, 197
Redshank, 267, 268, 379
Redstart, 223
Redwing, 164, 362
Reed-climbers, 39, 61
Ribbon-grass (*canaliza*), 115
Rice-grounds, 322, 323, 324-5
Ring-dotterel, 390
lesser, 393
Ring-ouzel, 222, 309, 316, 353 *n.* 1
Ring-plover, 238
Riscos del Fraile, 141, 211, 214, 221
Robin, 232, 318
Rocio, shrine at, pilgrimages to, 82 *et seq.*
Rock-bunting, 313, 319, 348, 367
Rock-climbing, 144
Rock-sparrow, 319, 355
Rock-thrush, 222, 313, 318, 353 *n.* 1, 366, 367, 368
blue, 230, 365
Roderick, King of the Goths, 7
Roe-deer, 165, 229, 298, 353, 363
Roller, 226, 393
Romans, the, in Spain, 6, 229, 232
Romero, Francisco, bull-fighter, 195
Romero, Pedro, bull-fighter, 196
Ronda, Caceria á la, 80-1
Rook, 411
Rota, 299
Rudolph, late Crown Prince of Austria, 266
Ruff, 63 *n.* 1, 134
Rufous warbler, 232, 318, 393

Salmon, 295-6
San Cristobal, 347, 349, 351, 352, 353
Sanderling, 390
Sand-grouse, 4, 29, 186, 209, 227, 382, 401; black-bellied, 232
Sand-hills and wild geese, 125-32
Sand-lizard, 62 and *n.* 1
Sand-piper, 211, 389
curlew, 42, 389
green, 390, 392
Sardinian warbler, 164, 393
Saunders, Howard, 265, 403
Schastowskij, Mr. P. A., 404
Sedge-warbler, great, 387
Serin, 311, 313, 319, 348, 393
Serpent-eagle, 209, 396

Serrania de Ronda, 2, 267, 347-59, 360 *et seq.*; flora of, 348 *et seq.*, 360, 361; ibex in, 142
Shad, 299
Shelduck, 101, 112, 191, 327, 410
  ruddy, 410
Shoveler, 97, 101, 111, 112, 186, 188, 327, 403, 409
Shrike, great grey (*Lanius meridionalis*), 62, 63 *n.* 2, 212, 393
  Lanius excubitor, 63 *n.* 2
Siberia, 404
Sierra Bermeja, 349, 360-63
Sierra de Gata, 227, 235
Sierra de Grédos, 140, 208 *et seq.*, 302; ibex in, 142, 145, 210 *et seq.*, 352
Sierra de Guadalupe, 227 and *n.* 1
Sierra de Jerez, 363-7
Sierra Moréna, 29, 411; fauna of, 42, 142, 147 *et seq.*; flora of, 160, 225
Sierra Nevada, 301 *et seq.*, 355; birds of, 311-16, 318-19; ibex in, 142, 148-9, 303, 317
Sierra de las Nieves, 349
Sierra Quintana, 149-53, 171
Silk manufacture, Moorish, 9-10
Small-game shooting, 328-36
Snake, 334
  coluber, 393
Snipe, 327, 330, 331, 392
Snow-finch, 316, 318
Soldier-ants, 61
Spear-grass, 90, 92, 95, 115
Spectacled warbler, 232, 396
Sphinx moth (*S. convolvuli*), 62
Spoonbill, 327, 383
"Still-hunting," 54 *et seq.*, 60
Stilt, 190, 267, 268, 385, 392, 403
Stint, little, 390
Stonechat, 209, 211, 319
Stone-curlew, 227, 232, 343
Stork, 40, 230, 392
Subalpine warbler, 232, 396
Sugar-cane, 4, 9
Swan, wild, 375; Bewick's, *ib.*
Swift, alpine, 355

Tagus River, 228 *n.* 1; valley of, 210
Tarifa, 300
Tarik, Arab chief, 7
Tato, El, bull-fighter, 197
Teal, 91, 97, 101, 111, 126, 134, 188, 327, 373, 399, 403, 409
  marbled, 186
Tench, 295
Tern, 41; gull-billed (*Sterna anglica*), 268; whiskered, 389
Thistle, Spanish, 248, 262
Thrush, 164, 223; blue, 222, 313, 318, 319, 353 *n.* 1, 362, 367
Tit, blue, 319, 352; cole, 319, 352, 367; great, 319; long-tailed, 232, 348, 367
Toledo, Montes de, 147, 148 and *n.* 1, 184, 227 *n.* 1
Tormes River, 221, 223
Tree-creeper, 367
Trout, 15-16, 294-5, 309, 317
Trujillo, 227, 229, 230-31, 295
Tumbler-pigeons, 126
Tunny, 299-300

Valdelagrana, 172
Valencia, 2, 4, 187; ibex in, 142; wildfowl in, 321-7, 410
Veleta, Picacho de la, 312 *et seq.*
Vetas, 88-9, 90, 115, 122
Villarejo, 221
Villaviciosa, Don Pedro Pidal, Marquis de, 292, 296
Vivillo, El, bandit, 175 *et seq.*, 181-2
Vulture, 67, 228, 356 and *n.* 1, 362, 366, 367-8
  black, 221-2
  griffon, 163, 222, 315, 319, 359, 364, 367, 369, 370, 397

Waders, 41, 382, 403
Wagtail, grey, 318, 348, 410
  pied, 410
  white, 232, 237, 410
  yellow, 410-11
Warblers. *See* under names
Water-hen, purple (*Porphyrio*), 388
Water-shrew, 103, 166
Wheatear, 41, 184, 211, 223, 312, 313, 318, 353 *n.* 1
  black-throated, 318
  eared, 318
Whimbrel, 390, 392, 403, 404
Whitethroat, 232, 318
Wigeon, 97, 101, 110, 111, 186, 188, 327, 380, 399, 409
Wild-cat, 165, 167, 226, 317, 333, 334, 337 *et seq.*
Wildfowl at Daimiel, 186-91, 409, 410
  of marisma, 40-2, 91 *et seq.*, 114 *et seq.*, 381-91, 408, 409
  shooting, 95 *et seq.*, 105-13, 115 *et seq.*, 131-2, 254, 323-7, 371-5, 379
  in Valencia, 321 *et seq.*
Wild-thyme (*Cantuéso*), 225
Willow-warbler, 232
Wolf, 147, 154, 156, 164, 171, 229, 238, 289, 306, 317, 319, 334
Woodchat, 41, 318, 393, 396
Woodcock, 331
Wood-pecker, 396
  great black, 298
  green, 63 and *n.* 2, 164, 232
  spotted, 367
Wood-pigeon, 362, 367
Wren, 232, 318
Wryneck, 311

Yna de la Garganta, 355-7

Zamujar, 172
Zaragoza, Cortes of, 6

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